· Hot-Rod Amps For Home Theaters ·

VIDEO magazine

$2.95 • APRIL 1994

THX VS. NON-THX

The Verdict On Movies & Music

EXCLUSIVE

REMOTE CONTROL CHAOS

How Energy Saving Lights Sabotage Your TV & VCR

CES HOT SPOTS

Multimedia, DBS, Home Theater, TVs, VCRs & More

VIDEOTESTS

27-Inch TV, 8mm Camcorder, 2 VHS VCRs

A PERFECT PICTURE

Photograph of Actual TV Image

The Faroudja Line Doubler*

This is an actual TV picture that has been processed by the Faroudja System LD100 — A perfect picture: **NO LINES, NO NOISE, NO MOIRÉ, IT LOOKS LIKE FILM.**

*Also available in dual standard PAL/NTSC

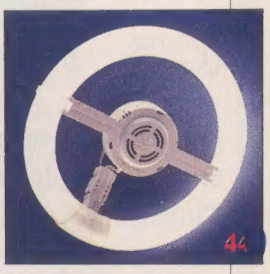
Emmy Winning Technology

FAROUDJA

750 Palomar Avenue
Sunnyvale, California 94086
Telephone 408/735-1492
FAX 408/735-8571

Circle 1 on Reader Service Card.

VIDEO *magazine*



FEATURES

THX ON TRIAL 36
Has Lucasfilm set the wrong sonic standards? THX and non-THX speakers testify.
By Brent Butterworth

VEGAS VICTORY PARTY 40
Multimedia, home theater, digital surround energize a buoyant CES.

PHANTOM FREQUENCIES 44
Energy-saving lights can cause remote-control chaos in your home video system.
By Tom Heald

MY CUSTOM COCOON 48
How one video buff used computer-aided design, careful planning and common sense to create his dream home theater. By Larry White

TAPES & DISCS

REVIEWS / Demolition Man, Gettysburg, Much Ado About Nothing, Menace II Society on laserdisc, more 52

EDITOR'S CHOICE / The return of Odorama. By Kenneth Korman 53

DIRECTORY / The latest releases on tape and disc 60

VIDEOTESTS

SONY KV-27XBR95S 27-INCH TV, 22
JVC HR-VP700U VHS VCR, Samsung VR8903 VHS VCR,
GE CG818A 8mm camcorder. By Berger-Braithwaite Labs

DEPARTMENTS

CHANNEL ONE / Morphing toward the millennium 4

FEEDBACK / Letters from readers 6

FAST FORWARD / Hitchcock gets cheap, Max Von Sydow, chaos video 8

NEW PRODUCTS / A wide screen with a sweetener, plus a trio of VCRs 12

HOME THEATER / How separate amps can hot-rod your home theater 16

CAMCORNER / The art and science of shooting music videos with consumer gear 18

Q & A / Technical queries answered 20

OFF THE AIR / Video's greatest gripes—our third bi-annual reader survey 104

SPECIAL SECTION

VIDEO PRO / For event, desktop, high-end consumer & small business videomakers VP-1

Cover:
Are THX speakers, like B&W's front-channel model, best for explosive movie audio, while conventional speakers, like Energy's RVS-1, are better for music? Also pictured—Lexicon's CP-3 Dolby Pro-Logic decoder and ADA's MPA-500 five-channel amp. Photograph by Les Morsillo

Video Magazine
Volume XVIII
Number 1

The Audit Bureau

VIDEO Magazine (ISSN 1044-7288) is published monthly by Reese Communications, Inc., 460 W. 34 St., New York, NY 10001. Second-class postage paid at New York, NY and additional mailing office.

© 1994 Reese Communications, Inc. All rights reserved. © under Universal, International, and Pan American Copyright Conventions. Reproduction of editorial or pictorial content in any manner is prohibited.

Single copy price $2.95; $3.50 in Canada; £2.50 in U.K. One-year subscription (12 issues) $15.; Canada, $22.47 (includes GST #R125938423) U.S.; foreign, air mail, $40 U.S. Canadian international publication permit #546488. Address subscription orders, change of address, correspondence and inquiries to: VIDEO, Box 56293, Boulder, CO 80322-6293, or call toll-free 800-365-1008. Change of address takes 60 days to process: send old address label, new address, and zip code. All material listed in this magazine is subject to manufacturer's change without notice, and publisher assumes no responsibility for such change. POSTMASTER: Send address changes to VIDEO, Box 56293, Boulder, CO 80322-6293. For microform copies of issues or articles, write to: Serials Acquisition Dept., University Microfilms, Inc., 300 North Zeeb Rd., Ann Arbor, MI 48106.

Advertisement

SATELLITE TV

HBO Direct™

UPDATE

Not exactly magic...but close. Multiplex HBO® & Cinemax®. A deal so good you'll pinch yourself to make sure it's real. More than just 2 channels, Multiplex delivers 8 different viewing choices: 5 of HBO and 3 of Cinemax. That means you always get 8 different programs to choose from. *But it's only available through satellite...*

Cutting Edge Technology. If you're looking for the very best, this is it. Home satellite systems deliver channels and programming options (like Multiplex!) you can't get elsewhere. Plus audio/video reception quality you simply have to see to believe.

Check It Out! Get in on all this great excitement. Shop around. Talk to your local satellite retailer...or give us a call for more details. We'd love to talk with you...

For Details, Call HBO Direct
1-800-285-5621

© 1993 HBO Direct. All rights reserved. HBO Direct and Design are trademarks of–and HBO and Cinemax are registered service marks of–Time Warner Entertainment Company, L.P.

Circle 2 on Reader Service Card.

CHANNEL ONE

Morphing toward the millennium

As entertainment and information technologies move ahead at breakneck speeds, captains of industry are working furiously to identify new opportunities to help their companies prosper in home electronics' new digital world order. Naturally, these executives are trying to shape the future to fit their particular visions and profit motives, but important points are being made amid the posturing and jockeying for position.

At this winter's Consumer Electronics Show in Las Vegas, for instance, where digital video dominated new product hoopla in direct broadcast satellites, CD-ROMs and interactive multimedia players, AT&T executive Robert Kavner delivered a keynote address that cautioned against the potentially stifling effect the cable industry could have on development of the next generation of home entertainment and information systems.

Notwithstanding the irony of an executive of what we used to call "The Phone Company" branding someone else a monopolist, Kavner was right on target—free, open competition is vital to spark innovation and to assure universal access to the cornucopia of entertainment and data the future promises.

A little while later, we turned to C-Span to watch Vice President Gore's Technology Summit in Los Angeles, where a panel of industry bigwigs—including top guns from Disney, Fox, Warner and two Baby Bells—waxed enthusiastic about what tomorrow will bring. It was good to see Mickey Schulhof, chairman of Sony USA, clearly articulating the advantages and challenges inherent in an open marketplace, realities Sony, as a member of the hyper-competitive consumer electronics industry, knows as well as anyone.

The companies that make TVs and VCRs have been curiously absent from the frenzied press coverage of the so-called information superhighway. It's a peculiar omission since the home video revolution has served as the advance guard for the digital days to come, since home video manufacturers sold 36 million TVs and VCRs in the U.S. last year (to the tune of $11.6 billion), and since the color TV set remains the centerpiece of home entertainment systems and the final destination of anything traversing the electronic avenue.

Another peculiar omission in many discussions is the role satellite delivery may play in tomorrow's electronic world. This month RCA begins selling its small-dish direct broadcast satellite system called DSS. By fall, it will be in stores throughout the country, providing an alternative to fiber-optic and wire-based ways of connecting the nation electronically. If DSS fulfills its promises, you will have a clear choice among several different delivery systems for high-quality home entertainment programs.

That's good news we hope the nation's leaders factor into their planning for a national information infrastructure. That infrastructure is in a kind of amorphous state now—transforming itself pell mell from an analog to a digital being, like the morphing characters in *T2* and other movies. It's difficult to fathom what the final shape will be, but it's important the creators of new systems include these vital elements: open competitive markets, and home electronics and alternative delivery systems that spur innovation. Besides, this environment will continue the flow of exciting new products for video enthusiasts.

Jim Barry

James M. Barry
Editor

Dave	*1149400
Dragon: The Bruce Lee Story	*1150705
Made In America	*1150606
Sleepless In Seattle	*1154905
Sliver	*1147008
Benny & Joon	*1108307
Home Alone	*0104208
Home Alone 2: Lost In New York	*1104900
Indecent Proposal	*1142009
Point Of No Return	*1127109
Predator	*0364901
Predator 2	*0104307
Lethal Weapon	0630806
Lethal Weapon 2	*0642702
Lethal Weapon 3	*1051507
Ghost	*0826008
Scarface (1983)	0216804
Sneakers	*1071604
The Godfather	0000802
The Wizard Of Oz	0001404
The Bodyguard	*1105907
The Blues Brothers	0211706
My Cousin Vinny	1033109
Lawnmower Man	1014505
Goodfellas	*0969808
Back To The Future	*0211409
Back To The Future II	*0921304
Back To The Future III	*0497008
A League Of Their Own	*1078005
Far And Away	*1046507
Batman (1989)	*0642504
Batman Returns	*1029909
Under Siege	*1077908
Basic Instinct	*1033208
A Few Good Men	*1106301
Unforgiven (1992)	*1084003
The Last Of The Mohicans (1992)	*1071406
Dances With Wolves	*0805200
Terminator 2: Judgment Day	*0233205
The Sound Of Music	*0003905
The Abyss	*0881102
Die Hard	*0367607
Die Hard 2: Die Harder	*0041806

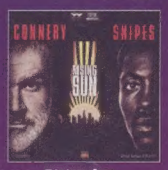
*Letterbox

3 LASERDISCS $1.00 EA.

SEE DETAILS BELOW.

PLUS 2 MORE AT GREAT SAVINGS!

Bladerunner: The Director's Cut* 1097906



Rising Sun 1174804

Bram Stoker's Dracula* 1102904

The Firm* 1154400

Cliffhanger* 1149301

The Empire Strikes Back* 0091009

Star Wars	*0056408
Return Of The Jedi	*0354704

Backdraft	*0559005
The Silence Of The Lambs	0805309
Patriot Games	*1051309
Alien	0000208
Aliens	0360909
Alien 3	*1042506
Robin Hood: Prince Of Thieves	*0976803
The Hunt For Red October	*0825000
Hook	*0854307
Howards End	*1102805
Madonna: Truth Or Dare	*0232900
Madonna: The Immaculate Collection	0983403
National Lampoon's Animal House	0211508
The Last Boy Scout	*0779108
Chinatown	*0202507
Fried Green Tomatoes	1005404
Jaws	0100008
Bugs Bunny Classics	0297705
North By Northwest	*0844209
Conan The Barbarian	*0220509
The Man Who Would Be King	*0085803
The Empire Of The Sun	*0633206
New Jack City	0971507
Forever Young	*1104306
Boomerang	*1064005
Always	*0921502
Star Trek— The Motion Picture	*0203505
Star Trek II— The Wrath Of Khan	*0201301
Star Trek III— The Search For Spock	*0201608
Star Trek IV— The Voyage Home	*0430603
Star Trek V— The Final Frontier	*0448605
Star Trek VI—The Undiscovered Country	*1001007
2001: A Space Odyssey	*0844308
Passenger 57	*1087709
E.T.: The Extra-Terrestrial	0681106

© 1994 The Columbia House Company

Here's a great way to build a collection of your favorite movies—on laserdiscs! Just write in the numbers of the three laserdiscs you want for $1.00 each, plus shipping and handling. What's more, you can get two more laserdiscs for the low price of $14.95 each (see complete details in coupon). In exchange, you simply agree to buy four more laserdiscs in the next two years, at regular Club prices (currently as low as $29.95, plus shipping/handling)—and you may cancel membership at any time after doing so.

Free magazine sent every four weeks (up to 13 times a year) reviewing our Director's Selection—plus scores of alternate choices, including many lower-priced laserdiscs. And you may also receive Special Selection mailings up to four times a year. (That's up to 17 buying opportunities a year.)

Buy only what you want! If you want the Director's Selection, do nothing—it will be sent automatically. If you'd prefer an alternate selection, or none at all, just mail the response card always provided by the date specified. And you'll always have 14 days to decide; if not, you may return the selection at our expense.

Money-Saving Bonus Plan. If you continue your membership after fulfilling your obligation, you'll be eligible for our generous bonus plan. It enables you to enjoy great savings on the movies you want—for as long as you decide to remain a member!

10-Day Risk-Free Trial. We'll send details of the Club's operation with your introductory package. If not satisfied, return everything within 10 days for a full refund and no further obligation.

For fastest service, use a credit card and call us toll free 24 hours a day:

1-800-538-2233 Dept. CNQ

COLUMBIA HOUSE LASERDISC CLUB

Entertaining America... One Person at a Time.®

Columbia House Laserdisc Club

Dept. CNQ, P.O. Box 1112, Terre Haute, Indiana 47811-1112

Yes, please enroll me under the terms outlined in this advertisement. As a member, I need buy only four more selections, at regular Club prices, within the next two years.

Send me these 3 laserdiscs for $1.00 each plus $1.50 each shipping/handling (total $7.50).

Please Check How Paying: ☐ My check is enclosed A35/A6E/A6J

☐ Charge my introductory laserdiscs and any future Club purchases to: A36/A6F/A6K

☐ MasterCard ☐ Diners Club ☐ AMEX ☐ VISA ☐ Discover

☐ **Also send me a fourth laserdisc for $14.95** plus $1.50 shipping/handling which I'm adding to my $7.50 payment (that's a total of $23.95 for all four laserdiscs).

☐ **Also send still one more selection for an additional $14.95** plus $1.50 shipping/handling (that's a total of $40.40 for all five laserdiscs).

Acct. No. _____ Exp. _____

Signature _____

Name _____

Address _____ Apt. _____

City _____ State _____

Zip _____ Phone No. ( ) _____

Note: This offer applies to first-time Laserdisc Club members only. Limit one per household. Columbia House Laserdisc reserves the right to reject or cancel any membership. Offer limited to continental U.S. (excluding Alaska). Applicable sales tax added to all orders. 1400 N. Fruitridge Avenue, Terre Haute, IN 47811-1112.

142/S94

Cable scrambling and readers rambling

Strike up the broadband

I read with great interest your January '94 interview ("One on One") with Ron Katznelson of Multichannel Communication Sciences Inc. and its discussion of the broadband descrambler, which would deliver cable signals to the home unscrambled. The broadband descrambler would also have the potential for a la carte services. It would likely cost a little more, but many would willingly pay despite the general consensus about high cable rates. Who wouldn't for full restoration of recording, channel indexing and PIP? The first cable system that adopts broadband descrambling along with a la carte service will rise well above the others in prestige as well as in its level of profit. Ronald Rodwell
Norwood, New York

Ageless video

I cannot tell you in just a few words what video means to me and my family. I'm 77 years old and was married 55 years. My husband passed away six years ago. We had six children. I now have 12 grandchildren and 14 great grandchildren. When our children were small, we had a movie camera. My son, who now owns a video camera, put all our old movies on videotapes. What a treasure this is.

Last year he videotaped me telling of my grandparents, my parents and my life. I'm blessed to have pictures of my great, great grandparents on both sides of the family. This will be a great help for the generations of my family yet to come. I also have many videos of senior events like plays and square dances. I'm like George Jones—I might be old in years, but I'm not ready for a rocking chair. Barbara Crump
Hudson, North Carolina

Creativity and fun

Congratulations! *Video Magazine* is really something to be proud of. I've read it for many years, and bought my first video recorder in 1978 when they first came on the market. It was a huge JVC with piano keys and blank tapes that were $20 each (ouch!).

I really enjoyed the articles on *El Mariachi*'s Robert Rodriguez and tapes under $15 (Dec. '93). This is what our interest in video is all about—creativity and fun! Rodriguez is right. We all have 30 bad movies in our souls. Keep up the excellent work. John Mack Flanagan
Columa, California

Director Robert Rodriguez

Take this disc and stuff it

I've had it with Lucasfilm Ltd. and all THX hype. I don't own a THX disc, but I'd bet my bottom dollar it's not much better. The studios wait until we spend all our hard-earned dollars on one version, then come out with another that's supposed to sound better than everything else.

Five years ago Dolby Surround wasn't on every movie jacket. Today it is. And now manufacturers will be putting THX on everything—after we've already bought into surround sound. Well, they can stuff it. I'll just keep buying plain Dolby discs and tapes.
Melvin Wea
St. Louis, Missouri

One film, one disc

I think the people from Sony are right ("CD Cinema," Oct. '93). CD video movies should have better quality than VHS and come on one disc. Why not make the discs double-sided, then use Nimbus' idea of double density to make room for better picture quality and AC-3 surround sound? Michael Doe
Rockford, Illinois

Video Magazine welcomes your comments. Address correspondence to Feedback, Video Magazine, 460 West 34 Street, New York, NY 10001.

VIDEO *magazine*

President and Managing Director, Jay Rosenfield

Editor, James M. Barry

Managing Editor, Stan Pinkwas
Technical Editor, Lancelot Braithwaite
Senior Editors, Kenneth Korman, Brent Butterworth
Assistant Editors, Brian Clark, Josef Krebs
Contributing Editors: Bob Angus, Bob Barlow, Frank Beacham, Bruce Eder, M. Faust, Ron Goldberg, Corey Greenberg, Ty Harrington, David Lachenbruch, Timothy Liebe, George Mannes, Marianne Meyer, Cliff Roth, Tom Soter, Jonathan Takiff, Rich Warren, Stewart Wolpin, Roderick Woodcock

Art Director, Marshall Moseley
Associate Art Director, Vera Naughton
Art Assistant, Luis Ramos Jr.
Production Manager, Gary M. Krystofiak
Production Assistant, Kim Lau
Typesetting, Janet M. Holland

Group Publisher, Eric C. Schwartz

Associate Publisher, Linda DeRogatis
Vice President, Business Development, Alan Deitch
Editor and Publisher, Video Pro, Marjorie Costello
Circulation Director, Rodney Bell
Circulation Assistant, Rosemary Y. Paver
Newsstand Sales Director, Gerald Levine
Marketing Director, Luanne Rao
Financial Officer, Mark C. Spector, C.P.A.
Business Manager, Janette Evans
Assistant Business Manager, Lily Schwartzberg
Advertising Coordinator, Karen Pellino
Assistant to the President, Kenneth Bell

Corporate Offices, Editorial & Sales: Annette Schnur, Christine Barbieri, 460 West 34 St., New York, NY 10001; 212-947-6500, 212-947-6727 (fax)
West Coast Sales Office: Linda DeRogatis, Karolynn Humberd, Marc D. Minasian, 1453 Third Street, Suite 490, Santa Monica, CA 90401; 310-393-5057, 310-393-5538 (fax)
Chicago Sales Office: Milton Gerber, Kristene Richardson, Media Plus, 135 N. Arlington Heights Road, Suite 106, Buffalo Grove, IL 60089; 708-913-5400, 708-913-5403 (fax)

Editor-in-Chief, Art Levis (1936-1991)

REESE COMMUNICATIONS INCORPORATED

PRINTED IN THE U.S.A.

DEEP BASS

THE FINAL FRONTIER

From 'The Big Bang' to 'Black Holes', take a quantum leap into a new galaxy of bass performance. Subwoofer technology so advanced, it leaves the competition light years behind.
Add Energy powered subwoofers to your home entertainment system and you have crossed the final frontier.
Contact your Energy Dealer today for a sound and feeling that will elevate your listening experience into a new dimension.

ENERGY®
LOUDSPEAKERS
MUSICAL TRUTH

Circle 3 on Reader Service Card.

For assistance in locating your closest Energy dealer, phone 416-321-1800 or fax 416-321-1500.

Color my world

With the recent proliferation of CD-based multimedia formats, it seems strange that audio/video and computer enthusiasts are suddenly being innundated with books. Not the old-fashioned kind with pages and such, but specification guides for digital formats that go under names like "Green Book." It's a confusing collection of terms because the colors selections seem arbitrary (the choices come from the color of the notebooks used by various engineering teams during research). So to help you cut through all the color noise we've put together our first guide to CD standards, including a couple of our own:

- *Red Book:* Audio CD
- *Yellow Book:* CD-ROM
- *Orange Book:* CD-ROM XA
- *Green Book:* CD-I
- *White Book:* Video CD
- *Blue Book:* Disc full of prices for obsolete, dead-format multimedia players.
- *Black Book:* Data CD with security codes, optimized for storing those special, secret phone numbers.

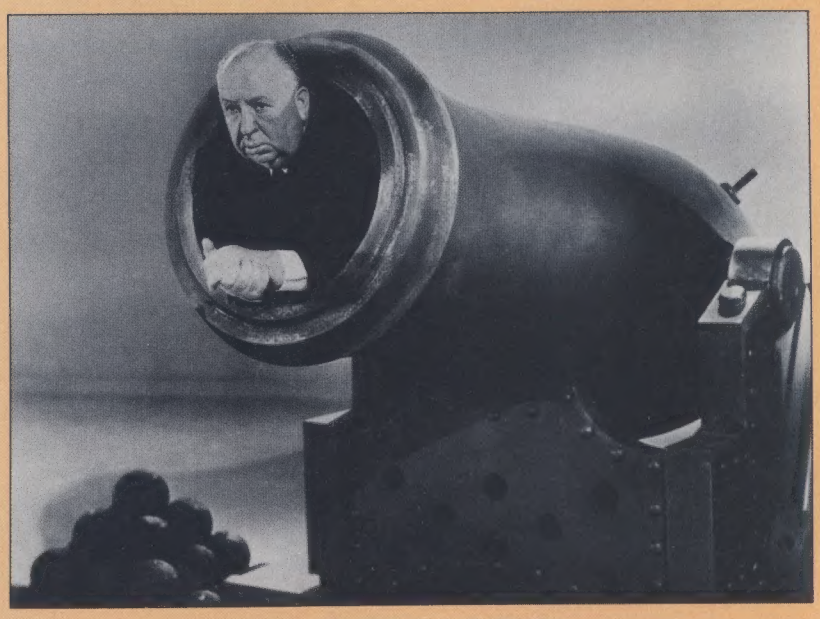
—Brent Butterworth

Flimflam cam

The one-of-a-kind video watch camera was created to show off the potential of the CMOS silicon chip that, along with a wide-angle lens, constitutes an entire video camera. Joe Winksy of Marshall Electronics (310-390-6608) told us the company simply replaced the watchworks with its printed circuit board, attached the lens and put the watch back together. The camera delivers a black-and-white image to a video recorder either through a wire or an accessory transmitter. Used mainly for surveillance and in robotics, the camera costs $249—a small price to add some furtiveness to your videos. So mount it on your own watch, lapel, perhaps inside your glass eye or maybe even debut the world's first video tongue camera.

—Brian Clark

One-of-a-kind watch cam.



HITCHIN' A RIDE

Our recent holiday gift guide ("$14.98 Fever," Dec. '93) showed that many all-time great movies have finally broken the $15 barrier on videocassette. But we were especially thrilled to hear that MCA/Universal has just decided to drop the price of 15 prized titles from the master of intrigue and suspense, Alfred Hitchcock. Now available for $14.98 are *Psycho, Rear Window, Vertigo, The Man Who Knew Too Much* (1955), *Rope, Shadow of a Doubt, Saboteur, The Trouble With Harry, The Birds, Marnie, Torn Curtain, Topaz, Frenzy, Family Plot* and *The Best of Alfred Hitchcock Presents: Volume One*, a compilation from Hitch's beloved TV series.

If you haven't seen the movies in a while, you may be surprised at how well they stand up to repeat viewings. We suggest starting with *Vertigo* and *Shadow of a Doubt* (guests are subject to mandatory viewings at our house), then work your way through *Rear Window, Psycho, Saboteur* and for comic relief, *The Trouble With Harry*. That's right, they don't make 'em like they used to. **—KK**

The Devil he knows

Max Von Sydow has gone to the Devil. The man who was Christ in *The Greatest Story Ever Told* has switched sides, portraying Leland Gaunt, the Devil-in-the-flesh in *Needful Things*, the Stephen King horror flick just released on video by New Line. Von Sydow says doing the Devil is easier than God: "Playing Christ, you have to be conscious of the opinions of the Catholics, the Protestants, the Jews, the Mormons, everybody. You can't do a character that way. Playing the Devil, you just have to

QUOTE OF THE MONTH

"It's a great thing, getting all these tapes...I just wish they'd send the stuff out on laserdiscs."

—MICHAEL CHAPMAN, cinematographer, on the growing Hollywood practice of sending videos of Oscar-nominated movies to voting Academy members in lieu of theatrical screenings.

satisfy the Devil."

If playing both God and Satan is a distinction, Von Sydow has another: He has acted for both Ingmar Bergman (in *The Seventh Seal*) and Bergman fan Woody Allen (in *Hannah and Her Sisters*). Von Sydow says the two men differ in their approach. Bergman "has such a strong personality. I learned so much about understanding characters as human beings." Allen is another story: "He didn't say very much. But he had very clear, preconceived ideas about what he wanted to do with the camera."

Allen usually rehearsed the camera movements and the scenes with stand-ins, so "when the actors were called on the stage, the camera knew what to do and the stand-ins knew what to do, but you, as an actor, got a 'glove' that you had to fit into." Von Sydow chuckles. "Which was a bit confusing to begin with." **—Tom Soter**

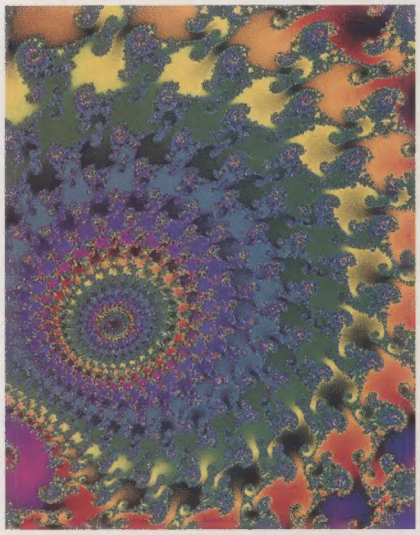
Cinema Latina

▶▶ Facets Multimedia, longtime source for hard-to-find independent and international cinema, has a free catalog specializing in Spanish and Latin American films. It includes new directors like Pedro Almodovar, old masters like Luis Bunuel and documentaries by and about Latin American artists and issues. For your free copy, write Facets Video, 1517 West Fullerton Avenue, Chicago, IL 60614 or call 800-331-6197.

—Brian Clark

Turn on, tune in, drop out

▶▶ If floods, fires, earthquakes and random violence don't provide enough of a feeling of chaos in your daily life, a new video production company has a



videocassette for you. *Images of Chaos, An Artwork for Television* from Industrial Street Productions of West Hollywood is an hour-long video collection of kaliedoscopic images including "fractals" or fractions within a larger image reflected in a small, similar image.

Sounding like Timothy Leary in the early '60s, the company describes *Images* as a "radical, hypnotic, cyberspace cloud-gazing trip," that can be watched as a movie, or left playing for parties, friends or relaxation. Generated by chaos-theory mathematical formulas, the video features "surreal worlds and strange creatures that may be discovered in the images." Sounds like a normal Monday morning commute to us.

THE NUMBER

452

The minutes per day a TV set is now used in the average American home.

VIDEO ADVERTISER Q&A

Richard Darrow, President of Sunpak, talks about camcorder batteries

Q How long does it take to charge a battery on average?

A Most chargers provided with today's camcorders can recharge batteries in two hours or less, depending upon battery capacity. A 1200 mAh battery takes approximately one hour, while a 2400 mAh battery takes twice as long. Since each camcorder has different power requirements, it is impossible to give an exact run time. On average, a 1200 mAh battery provides 45-60 minutes of recording time.

Q What exactly is battery memory?

A Memory is an effect that reduces the running time of batteries that are not fully discharged before they are recharged. Depending upon the design and quality of the battery, this can occur after as few as five uses.

Q How can the pitfalls of memory be overcome?

A By purchasing batteries that are designed to prevent memory from occurring, such as Sunpak's Memory-Free RB-80U and RB-80UL batteries, both of which have a lifetime guarantee to be Memory-Free.

Q What is the average lifespan of a camcorder battery?

A Nickel Cadmium (NICd) batteries have an expected lifespan of 500-1000 recharge cycles. The actual number depends upon the quality of the battery cells and the way batteries are handled. Lead acid batteries only have a lifespan of approximately 100 recharge cycles and must be recharged immediately after use to avoid loss of power. NICd batteries may be recharged at any time.

Late Breaking News

VIDEONICS is improving its popular TitleMaker video titler. The new $599 TitleMaker 2000 offers the same high-quality titles as the original TitleMaker, but doubles the number of font and size combinations (including script fonts), adds a monitor output so you can show one title while you're composing another, produces more advanced scrolling effects and allows immediate access to title pages.

•

THE COMMERCE DEPARTMENT in Washington has published President Clinton's 1994 budget proposal on CD-ROM as well as on paper. We're glad to hear the administration is using the latest technology to get its message across, but we are saddened to hear that the disc contains only text. For future editions, we suggest the use of audio/video highlights, now common on CD-ROMs. Just think: The President could make a personal appearance in the form of a QuickTime movie to explain his budget choices. This year's disc—in Windows, PC and Macintosh formats—is available for $30 from the Commerce Department. The printed version, however, costs $54.

•

PUSHING THE VHS ENVELOPE once again, JVC announced a 210-minute S-VHS tape for sale in Japan. That's 10 hours, 30 minutes in EP, a real boon for those who scoffed at the paltry 10-hour recording of BASF's T-200s. The tape sells for about $28.

•

WE LOVED ZENITH'S INEXPENSIVE PV890X video projector ("Home Theater," Mar. '93), but noted some ringing problems that created vertical bars on the left side of the picture. Ohio Zenith dealer George Miller has found a way to correct the problem through modifications on the PV890X, the PV851 and other projectors that use the same chassis, like some models by Runco, GE, Image Amplification, Pulsar and AmPro. The mods totally eliminate the ringing (we've tried them). Miller performs the modifications for $250 plus shipping. For more information, call 216-869-6229.

•

GOLD DISK IS INTRODUCING A Macintosh version of its popular *Video Director* editing software and hardware. The Windows and Amiga versions of *Video Director* include a cable that controls any LANC-equipped camcorder or VCR for playback, and any infrared remote-controlled VCR as the recorder. Expect a price of about $200 to $250.

•

IN LAST MONTH'S "HOME Theater" column, Paul Levy described the metal rods that tie his equipment rack into the ceiling as protection against the rack falling over in an earthquake, and commented, "Fortunately, it's never been tested." Well, now it has—the recent L.A.-area earthquake shook Levy's house pretty badly, but the rack still stands.

•

AMERITECH HAS ITS EYE ON video. The telecommunications giant is launching a multibillion-dollar fiber-optic upgrade of its phone network to make it possible for half its 12 million customers to receive video signals by the year 2000.

•

ADD SYLVANIA TO THE LIST (with Dumont, Westinghouse, Stromberg-Carlson and others) of venerable television brands disappearing for good. Philips will drop the Sylvania name at the end of the year, spelling the end for a brand that has been on TVs for a half a century.

ONE ON ONE

with Gaston Bastiaens

Gaston Bastiaens, vice president and general manager of Apple Computer's Personal Interactive Electronics division, which developed the Newton personal digital assistant (PDA), is at the nexus of some of today's most advanced technologies—multimedia and digital video among them. *Video Magazine* managing editor Stan Pinkwas spoke with him recently about the merging of video and computing.

Video: ScriptX, the new multimedia tool Apple is developing with Kaleida labs, will be out this year for Macintosh and Windows products. In a year or two, Apple's EZTV channel navigator will be ready. What will these products mean?

Bastiaens: ScriptX makes the creation of software easier. ScriptX tools will give multimedia developers the ability to make more use of creative people to write programs. EZTV is the ideal user interface for interactive television.

Video: What will the market be like for interactive TV and channel navigators?

Bastiaens: You will see a gradual introduction, first with TV guides and movies-on-demand, then real interactive programming of a high caliber in '96. At that moment, navigation becomes the key. You will not be able to select channels one by one anymore. You'll have to have a smart navigation system.

Video: What will be the course of MPEG-1 digital video as a standard for watching images on TV sets?

Bastiaens: Today it is the only thing available, so it will have to do. I must say some things I have seen on MPEG-1 are not bad. It's digital, the analog noise is gone. However, it's not the standard I want to see because that's finally MPEG-2.

Video: When will MPEG-2 become viable?

Bastiaens: In my opinion, in '95. We think '95 and '96 will be decisive years for the multimedia industry.

Video: When will PDAs be able to receive video pictures?

Bastiaens: I think the second half of the '90s. Its difficult to set an exact date because we are building a new industry and we are doing this with major partners like Toshiba, Sharp, Motorola, Panasonic and so on. We'll also see communications combine with video broadcasting, so that video conferencing with PDA-type products becomes a reality.

Video: How will the TV industry—hardware manufacturers and TV makers—have to change?

Bastiaens: A lot will get more intelligence into their televisions. After all, the move to digital television is coming.

Gaston Bastiaens

Video: So there'll be a wider spectrum of TV products?

Bastiaens: Yes, because everything gets digital and because of the fast integration in microatomics. That means they can bring in functionality at a low cost in a single chip that's very expensive today. ■

Panasonic introduces the WJ-AVE7 Digital Video Mixer. With Luminance Keying and over 100 special effects, it makes your videos especially effective.

Think of the new Panasonic WJ-AVE7 Video Mixer as a way to turbo-charge your imagination.

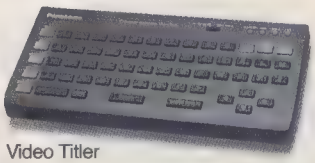
Dual PIP

Its sophisticated technology lets you do almost anything you can imagine at a price that's so affordable it's unimaginable. For instance, its Luminance Keying feature lets you alter reality by superimposing video images. Its auto take feature creates flawless transitions, automatically. Add dual picture-in-picture, a color corrector, over 100 digital effects, a built-in audio mixing board and the optional video titler, WJ-TTL5, and this Panasonic Video Mixer lets you do almost anything you can conceive. And unlike other systems, the WJ-AVE7's digital synchronizer lets you dissolve or wipe between any 2 NTSC signals.

And our AV Mixer can do even more—to find out how much more, speak to your nearest Panasonic Dealer, at **1-800-365-1515, ext. 333.** ■

TV picture simulated.

WITH THE NEW PANASONIC DIGITAL VIDEO MIXER, YOUR IMAGINATION WILL RUN WILD INSTEAD OF YOUR BUDGET.



Video Titler

Panasonic®

just slightly ahead of our time.®

A wide screen with a sweetener, plus a trio of VCRs

◂CHERRY ON THE TOP (AND SIDES)

RCA has a new 34-inch console version (model G34170) of its widescreen 16:9 TV. The cabinet has a cherry finish and storage space for components. At $4,499, it also carries a lower price tag, down $500 from RCA's first widescreen set. Included in the price, buyers may choose either $500 worth of laserdiscs or an RCA LDR500 laserdisc player. (For additional information, circle 109 on the Reader Service Card.)

▾NEWCAM

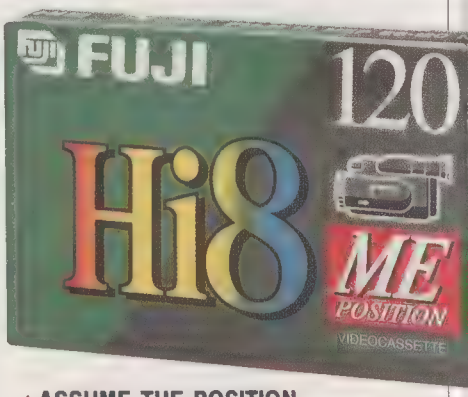
The new top-of-the-line Sharp Viewcam is the VL-H400 Hi8 model ($2,199). New features include slow-motion playback, backlight compensation, 8x variable-speed zoom, and a 16:9 mode that places bars at the top and bottom of the screen. Carryover features include digital image stabilization and digital still snapshot. (For additional information, circle 103 on the Reader Service Card.)

▾PLUG IN, CHARGE UP

Aztec Video's (1-800-955-5505) Self-Charging Battery has retractable prongs that enable it to be plugged directly into a wall socket for recharging. It is a substitute for 6-volt batteries that run Sony, Panasonic and Sharp 8mm and VHS-C models. Model AZ2000SC ($70) delivers a standard one-hour run time, while model AZ2200SC ($80) runs for 90 minutes. (For additional information, circle 108 on the Reader Service Card.)

▾COMPACT TVCR

Aiwa's VX-S131 13-inch TVCR ($750) features a Trinitron picture tube and a VHS hi-fi VCR. Front-panel audio/video inputs make it easy to view or dub 8mm footage. Other features include onscreen VCR programming and digital auto tracking. A 20-inch model will arrive in May. (For additional information, circle 104 on the Reader Service Card.)



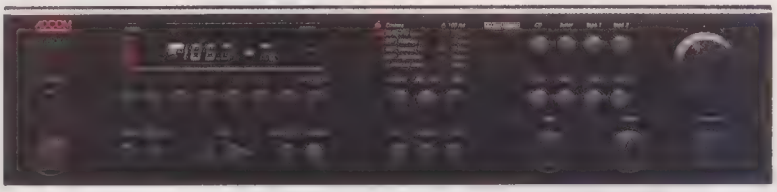
▲ASSUME THE POSITION

Fuji's ME Position Hi8 tape is a metal particle tape that Fuji says matches the performance of metal evaporated tape while retaining the extra stability of metal particle tape. Fuji cites advances in its double coating technology as the prime factor. The tape will be available in 30-, 60- and 120-minute lengths. Prices were not available at press time. (For additional information, circle 107 on the Reader Service Card.) ▶

Even Orson Welles didn't sound this real.

A new reason to be afraid of the dark.

Crunching footsteps behind you. Laser beams shooting over your head. Just a typical night at home with Adcom's home theater GTP-600 tuner/preamplifier. At Adcom's level of critically acclaimed performance it doesn't just produce surround sound. It creates effects that are out of this world.



The award-winning GTP-600 and an Adcom power amplifier give you the control to create a sonic experience that surpasses anything you've ever heard in a movie theater.

Award-winning technology takes you to the outer limits.

VIDEO magazine BEST 1994 HOME THEATER SEPARATE COMPONENT ADCOM GTP-600 TUNER PREAMP. RECEIVER

Providing switching for up to four video sources and four audio sources, the GTP-600 gives you the flexibility to customize your audio/video system for years to come. Composite or S-video connections provide a high definition signal path for maximum video quality. And with features like Adcom's exclusive Cinema Surround circuitry and Dolby Pro Logic® decoding, the GTP-600 brings the drama of home theater to your fingertips. Preprogrammed DSP(Digital Signal Processing) modes such as Concert Hall, Nightclub, Stadium and Five-Channel Stereo surround, let you create a variety of custom-tailored, psychoacoustically correct listening environments.

These features couple ideally with the GTP-600's advanced, programmable remote which lets you command up to eight additional system components for complete home theater control.

Surround yourself now at your Adcom dealer.

Preview the new GTP-600 tuner/preamplifier at your authorized Adcom dealer today. But be careful, you might want to leave the lights on.

"Dolby" and "Pro Logic" are registered trade marks of Dolby Laboratories Licensing Corporation

ADCOM®

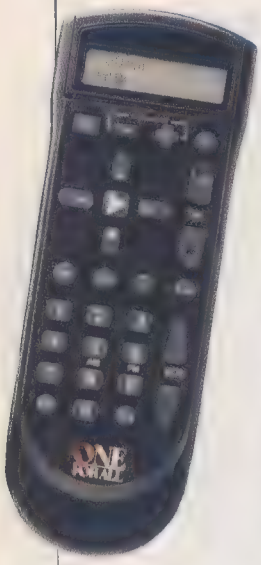
details you can hear

©1994 ADCOM

11 Elkins Road, East Brunswick, NJ 08816 U.S.A. (908) 390-1130. Distributed in Canada by PRO ACOUSTICS INC. Montréal, Québec (514) 344-1226

Circle 4 on Reader Service Card.

NEW PRODUCTS



◂ CLUTTER BUSTER

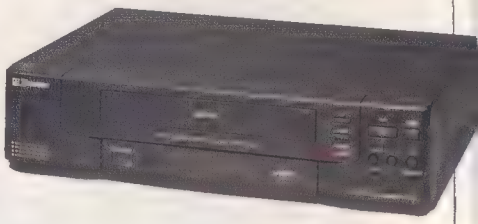
The VCRPRO 8 ($100) is a universal remote that replaces up to eight remotes, including those for CD players and other audio equipment. Codes are preprogrammed, and a Key Magic feature lets you assign a function to a specific key. The VCR programming feature turns on the needed equipment, even changing channels on the cable box. The VCRPRO 8 is part of a complete line of remotes by Universal Electronics of Twinsburg, Ohio. (For additional information, circle 111 on the Reader Service Card.)

▲ DUCK, IT'S A PREAMP

Toshiba's M-760 hi-fi stereo VHS VCR ($500) features a "flying preamp" design, which means the signal is amplified while still in the head cylinder. Toshiba claims this reduces video noise. For better EP recordings, the deck has a pair of 19-micron heads. Additional features include VCR Plus with cable box control and a universal remote that also controls a TV and a cable box. (For additional information, circle 112 on the Reader Service Card.)

▸ IN THE GAME

Emerson's VCR4003 VHS VCR (price $240) uses four heads to produce clear still frames and slow motion. Features include 1-month/4-event onscreen programming, two-speed picture search and digital auto tracking. (For additional information, circle 101 on the Reader Service Card.)

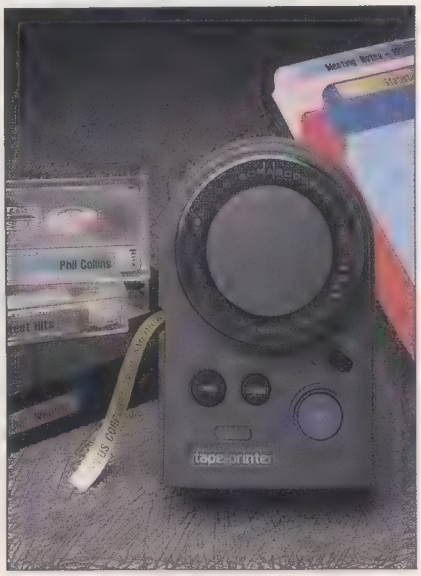


◂ THE PRICE IS RIGHT

Goldstar's GVR-D468 four-head hi-fi VHS VCR is the top of the line of five new VCRs. It features VCR Plus programming with cable box control and a front-panel audio/video input. The remote also controls around 30 different brands of TVs. Other features include double-speed play, freeze frame, frame advance and VHS index search. It's priced at $450. (For additional information, circle 100 on the Reader Service Card.)

▼ SLIM SHOOTER

Panasonic's PV-910 full-size VHS camcorder ($899) is a point-and-shoot model with manual controls also available for focus and shutter speed. With its color viewfinder folded into a center storage position, the camcorder is just three inches wide. The PV-910 has a 12:1 variable-speed zoom lens, and comes with a 10-watt light. (For additional information, circle 113 on the Reader Service Card.)



▲ MINI LABEL MAKER

The Plus Tape Printer ($134) creates labels with up to 60 characters. The labels, suitable for videotapes and shells, can be printed in four ways, including justified and centered. The tiny hand-held unit is manufactured by the Plus Corporation of Allendale, New Jersey. (For additional information, circle 114 on the Reader Service Card.)

RDL ACOUSTICS

ROOM DESIGNED LOUDSPEAKERS

from **Stereo Review** *(Julian Hirsch)*

"Both of these systems [the RDL F-1 and FS-1 speakers] are truly excellent, with a smoothness of response and low distortion that do credit to their lineage.

"One of [RDL's] principals, Edgar Villchur . . . was responsible for such seminal developments as the acoustic-suspension loudspeaker and the dome tweeter . . . Roy Allison was responsible for the design of a number of now legendary speakers, including the AR-3a and the AR-LST."

from THE *BAS SPEAKER*
THE PUBLICATION OF THE BOSTON AUDIO SOCIETY *(David R. Moran)*

"All [RDL speakers] use Allison's unsurpassed, strangely unimitated convex tweeter . . . its ultrawide radiation and airy imaging may be even more uniform than in previous implementations . . . in over a dozen measurements, the RDL tweeter consistently ran ± 2 dB from 1–2 kHz to around 18 kHz."

from the **LosAngelesReader** *(Laurence Vittes)*

"RDL Acoustics' new line of speakers can bring an orchestra into your living room . . . [The FS-1's have] amazing ability to reproduce demanding full orchestral sound without a trace of digital harshness."

from the Chicago Tribune *(Rich Warren)*

"Roy Allison . . . designed each speaker model for a specific placement . . . We placed the F-1 three inches from the back wall and played music with plenty of bass. It played naturally without boom or exaggerated bass. It sounded clear, crisp and tonally well balanced . . . In contrast, the FS-1 [is] smooth, well-balanced and natural when located at least two feet from the wall.

"Most companies cheaply finish speakers in the F1/FS1 $549 per pair price range. RDL extravagantly finishes the speakers in a rich lacquered real cherry veneer."

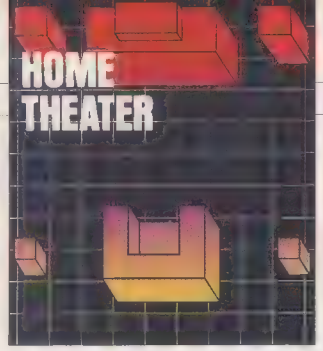
The RDL F-1 speaker, one of five models priced from $198 to $549 a pair.

Exclusive Designs by Roy Allison

FACTORY-DIRECT SALES RDL speakers are sold directly from our factory on a 30-day trial basis. There is no retail markup. We also sell Philips, Sherwood, and other brands of electronic products and accessories, as well as complete systems.

FOR YOUR FREE CATALOG
Call 1-800-227-0390 or
Fax 1-800-227-9047 or
RDL ON-LINE (BBS)
1-800-227-0391

RDL ACOUSTICS
26 Pearl Street No. 15, Bellingham, MA 02019
Circle 5 on Reader Service Card.



BY COREY GREENBERG

How separate amps can hot-rod your home theater

Even though most home theaters are based around A/V receivers, you can get better sound by going the cool-man audiophile route, using separate amplifiers. Music lovers learned long ago that music sounds better when you use a separate amplifier to drive your speakers instead of an all-in-one receiver. Now that home theater has plundered the audio fortress, it's high time that movie lovers learned the same lesson.

What do you hear with separate amplifiers versus a receiver? Less grit and congestion, for starters. Voices sound much more natural and less like canned TV voices, and subtle dialog is much easier to understand. Another dramatic improvement is in the highs—natural sounds like birds in a forest will sound more lifelike, and less spitty and harsh.

Now, there's two kinds of home theater nuts—those who just wanna get by, and those who wanna get *serious*. The typical get-by guy'r'gal might have a bitchin' video monitor, but the audio side of the equation is probably woefully out of step. Worst-case, they've got some piece-o-crud, resin-caked '70s receiver that crackles when you turn the volume control up and down. Best case, they've got a $500 foreign A/V receiver, which is a fine way to get into the home theater experience, but hardly where to look for the bestest, cleanest sound.

At the risk of getting too technoid, it all comes down to power. Power corrupts, but in a butt-kickin' home theater rig, power should ERUPT! And to do that, your amplifiers have got to be serious enough to drive five or more speakers simultaneously, often at high levels. Truth is, most A/V receivers don't have very serious amplifier sections. Their printed specs might *look* impressive, but those crafty manufacturers have long known how to deliver gear that *measures* well without actually having to *sound* very good.

Sound ridiculous? Here's why it isn't: All speakers present given loads to the amplifiers driving them. Call it impedance, call it Earl, a speaker has a characteristic load that it presents to the amplifier, and this load can range from quite easy to drive to forget-about-it. I recently reviewed a speaker that was so hard to drive that all the amplifiers I had on hand would overheat whenever I cranked the speakers to minimum rock-approved levels. This is an extreme example, but most speakers on the market do present a fairly challenging load, making the choice of amplifier a very important one.

See, those impressive power specs listed with A/V receivers, like "100 watts per channel U-betcha," are derived from measuring how much speaker-drivin' power—*watts*—the receiver can deliver when hooked up to an eight-ohm resistor, which is supposed to be a fair representation of the average speaker's load. Except that it isn't. The vast majority of speakers on the market present a much more difficult load for an amplifier to drive. And driving five speakers is a hell of a lot more taxing than driving two.

"But I just bought a midpriced surround receiver!" I hear you, Cherished Reader, scream at me from the bathroom as you read this. "What am I supposed to do, DUMP it and start over?"

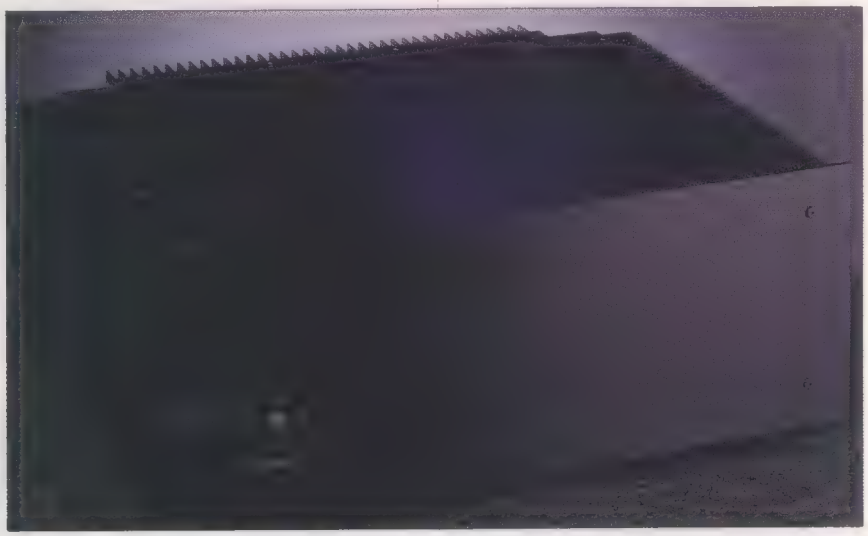
That's a legit question—but there's a simple solution. Take a look at the back panel of your receiver. Many surround receivers have line-level outputs that let you bypass the receiver's amp section, permitting you to send line-level audio signals to separate amplifiers. If your receiver has such outputs, you can still use it for Pro-Logic decoding, volume control, etc.

There are several ways to go when considering separate amps in a home theater. You can purchase three regular ol' stereo amps and use them to drive left, right, center and surround channels, leaving the extra amp channel unused or perhaps using it to drive a passive subwoofer. This can get pretty expensive, though, considering that most good 100-watt stereo amps run from $700 to $2,000. Multiply that times three and you start asking people, "Pardon me, but do you have any Grey Poupon?"

A better way to go is with one of the bitchin' new multichannel amps that high-end audio companies are now coming out with. Offering multiple channels of clean, speaker-drivin' power, these amps offer exceptional value and, owing to their single-box construction, much greater ease of installation than a gaggle o' stereo amps. Of the multichannel amps I've checked out, the most impressive occupy both ends of the power spectrum—the six-channel, $699 NAD 906, and the three-channel, $1,299 Acurus 200X3.

The little 30-watt-per-channel NAD is perfectly suited to those who want high-quality sound but don't listen at lease-breakin' volumes (like apartment dwellers and the Amish). It sports the equivalent of six fully independent am-

continued on page 35



Amp Champ: Acurus' powerful $1,299 200X3 provides three 200-watt channels of high-quality amplification.

The purity of separates. From the passion of Carver.

The Carver name evokes an almost mystical following among serious music lovers.

And justly so. Carver power amplifiers have generated critical acclaim year after year, model after model, with one – the TFM-35 – universally acknowledged as "one of the best audio amplifier values in the world." Upgraded to the TFM-35x, with high fidelity enhancements so advanced, it also exceeded the strict specifications of THX® home theater.

One look, one listen, will confirm Carver's passion for aural perfection. Gold plated input jacks, 5-way binding posts, dual analog meters. Expansive headroom that faithfully – no, stunningly – reproduces the dynamic peaks of digital music and movie soundtracks.

Witness the superiority of Carver separates: Flawless sound, low distortion, instant and authoritative response to octave fluctuations in the center channel. Note the abundance of power: At 360 watts per channel @ 4 ohms (triple that of a top receiver), merely one of the most powerful audio amplifiers available for *both* music and home theater.

With the infinite flexibility to accommodate system upgrades for years to come.

Yet, this is but a preview. For a feature length brochure, contact Carver today.

CARVER

Powerful • Musical • Accurate

CARVER CORPORATION, P.O. BOX 1237 LYNNWOOD, WA 98036 • (206) 7751202
© 1994 Carver Corporation
Distributed in Canada by Evolution Audio, Oakville, Ontario (416) 847-8888
THX is a registered trademark of Lucasfilm LTD. all rights reserved

Made in USA

Circle 6 on Reader Service Card.

BY CLIFF ROTH

The art and science of shooting music videos with consumer gear

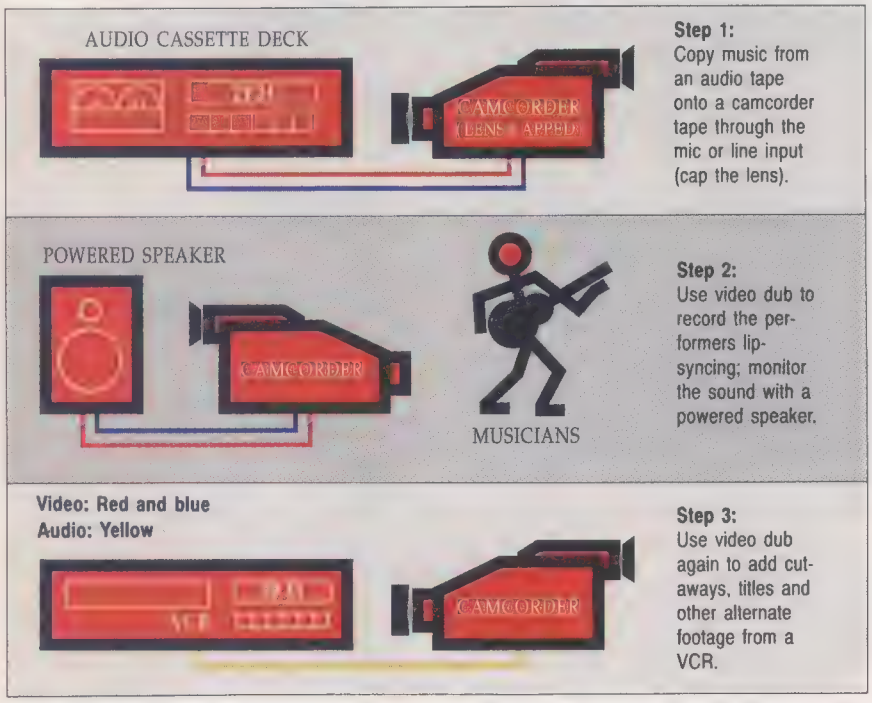
With the right equipment and strategy, a low budget music video can be a creative and successful production. But without proper planning and technical capabilities, it has the potential to become a synchronization and audio mixing nightmare.

The simplest, fastest way to make a music video is to start with a professional recording of the music. Rather than attempt to record sound with your camcorder, use a high-quality demo tape that was originally recorded on eight, 16 or 24 tracks, and mixed together using all the tricks of the trade. For the video, the band will lip-sync to this recording—the musicians will pretend to be playing and singing, listening to the recording to stay in sync.

If you're in the market to buy a new camcorder and want to make music videos, the format you choose can make a big difference in what's technically possible. Even if you already have a camcorder, it may be worth renting or borrowing another one with video dub capability.

Video dub lets you produce a music video in the camcorder, without the need to edit later. You edit as you go along. Unfortunately, the Hi8 and 8mm formats don't have this capability—with these, you must record new sound whenever you record a new picture. The crucial video dub feature is found on hobbyist S-VHS and VHS camcorder models, and their miniaturized VHS-C and S-VHS-C siblings.

Equipped with such a camcorder, you should first copy the song onto the videocassette you'll use in the camcorder. The picture should be black (just keep the camcorder's lens cap on) so it won't be distracting if it accidentally appears. Next, plan out the sequence of shots that will be matched to the song. Pay careful attention to points in the song where you may want to return to a previous location—these points can all be shot during the same setup. The more locations you have, the more lush the production will look, but the more time it will take. Select locations in consultation with the band, and push yourselves to come up with clever visual ideas. Music videos have a rich tradition of experimentation, visual poetry and an anything-goes attitude. Find dramatic shots of natural beauty (sunsets, beaches, lakes, parks, animals, etc.), industry (smokestacks, assembly lines), and/or commerce (shopping strips, malls, stores), and use these where appropriate.



Making A Music Video: Record sound first, then video-dub performers lip-syncing, then add cut-aways.

Besides the camcorder, you'll need a stereo system or a powered speaker, and adaptor cables to get the audio signal from the camcorder's headphone or line output jack to the amplifier. This is how the band will hear the recording they're lip-syncing to. Where amplified music is a problem, the singer can wear headphones to lip-sync to the recording.

Go to your first location, play the tape, pause it at the spot where you want to begin recording an image, hit the video dub button, release from pause and begin shooting. If you make a mistake, go back and do it again until you get it right. (Too many recordings over the exact same spot will stretch the tape and create a glitch—you may want to make several copies of the audio track on a single tape, so you can move on to a different one after five or six takes.)

Rather than recording video in short bursts, you may prefer to start by shooting a master shot of the entire song—typically a wide shot showing the whole band. Then, using the video dub feature again, you can record new pictures over selected spots—such as close-ups, locations relating to the lyrics, etc.

If you have access to two or more camcorders, and a special-effects generator or a video mixer (like Panasonic's WJ-AVE5 or Sony's XV-D1000) then you can produce a multicamera live visual mix of the band, typically appearing onstage in a club or studio context.

Without the video dub feature, you must record the entire music video in one continuous take, by playing the mixed audio tape into the camcorder's microphone input (using an attenuating patch cable) while simultaneously recording the picture either with a single camcorder, or multicamera using a video mixer. This is the only viable approach with Hi8 and 8mm gear.

Working on a more professional level, it's also possible to piece together the music video through editing, but the same constraints apply: You can shoot in Hi8 or 8mm, but it should be edited onto S-VHS or VHS to take advantage

continued on page 35

VIDEO SHOWCASE

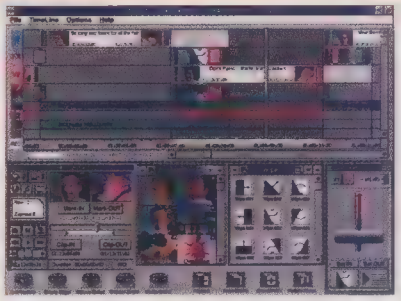
BOGEN 3169 CINE/VIDEO TRIPOD

THE IDEAL CAMCORDER COMPANION

Easy to use and easy to handle, the 3169 combines Bogen 3001 Tripod Legs and a 3130 QR Micro Fluid Head with Quick Release Plate. The Bogen 3001 Tripod is the lightest (about 3 lbs.) and the smallest (folds to 20 1/2 in.), but is one of the most versatile tripods we offer. Sturdy, hard finish aluminum legs feature 3 click stop spread angles and each has a sure grip, quick-acting, non-fouling lever lock. The Bogen 3169 is just one of a wide choice of tripods, fluid heads, dollies and accessories.

See your dealer or write to Bogen Photo Corp., 565 East Crescent Avenue, Ramsey, N.J. 07446-0506; (201) 818-9500

CIRCLE SHOWCASE #1



The Studio On Your Desktop

Video Machine from FAST Electronics is a complete A/B roll editing system for PC and Macintosh computers. With machine control, two frame synchronizers, hundreds of editable DVE transitions, audio mixing and anti-aliased titling, and graphics with alpha channel, Video Machine provides all of the components necessary to create professional quality video productions on the desktop.

Video Machine and its VM-Studio companion software utilize an easy-to-use timeline interface for editing, as well as tools for clip management and even the ability to create your own unique effects. Machine control is provided for Control-L and 5-Pin Edit Control, with optional RS-422 and RS-232 control available. Video Machine can always be expanded with a range of professional options including YUV input/output and nonlinear editing, ensuring that the system will grow to fit your needs.

For more information, call FAST at (800) 248-FAST.

CIRCLE SHOWCASE #3

Need Some Technical Help?

CEDIA (Custom Electronics Design and

VS494

BRYSTON'S 7B NRB THX® MONAURAL AMPLIFIER

Bryston, well known for
:heir high-quality
ımplifiers, has
ntroduced their most
: 7B NRB THX®.
NRB THX® is designed
home theater system.

ıd symmetrical circuitry,
. Adding to the unit's
alanced (XLR and 1/4")
ıt allow for flexibility in
:onvenient feature is the
hat lets the output stage
node.

ɔr more information
:yston's other

t Company.

#4

SHOP WITH THE VIDEO SHOWCASE

Get more information on any advertisers featured in Video Showcase or find out where the nearest dealer is for that product. Simply circle the product number along with your desired shopping option and we'll do the rest!

Showcase #1
A. Send me literature
B. Send me dealer information

Showcase #2
A. Send me literature
B. Send me dealer information

Showcase #3
A. Send me literature
B. Send me dealer information

Showcase #4
A. Send me literature
B. Send me dealer information

Name _____

Address _____

City _____ State _____ Zip _____ Phone _____

BY CLIFF ROTH

The art and science of shooting music videos with consumer gear

With the right equipment and strategy, a low budget music video can be a creative and successful production. But without proper planning and technical capabilities, it has the potential to become a synchronization and audio mixing nightmare.

The simplest, fastest way to make a music video is to start with a professional recording of the music. Rather than attempt to record sound with your camcorder, use a high-quality demo tape that was originally recorded on eight, 16 or 24 tracks, and mixed together using all the tricks of the trade. For the video, the band will lip-sync to this recording—the musicians will pretend to be playing and singing, listening to the recording to stay in sync.

If you're in the market to buy a new camcorder and want to make music videos, the format yo
big difference in w
ble. Even if you al
er, it may be wortl
another one with

Video dub let
video in the car
need to edit late

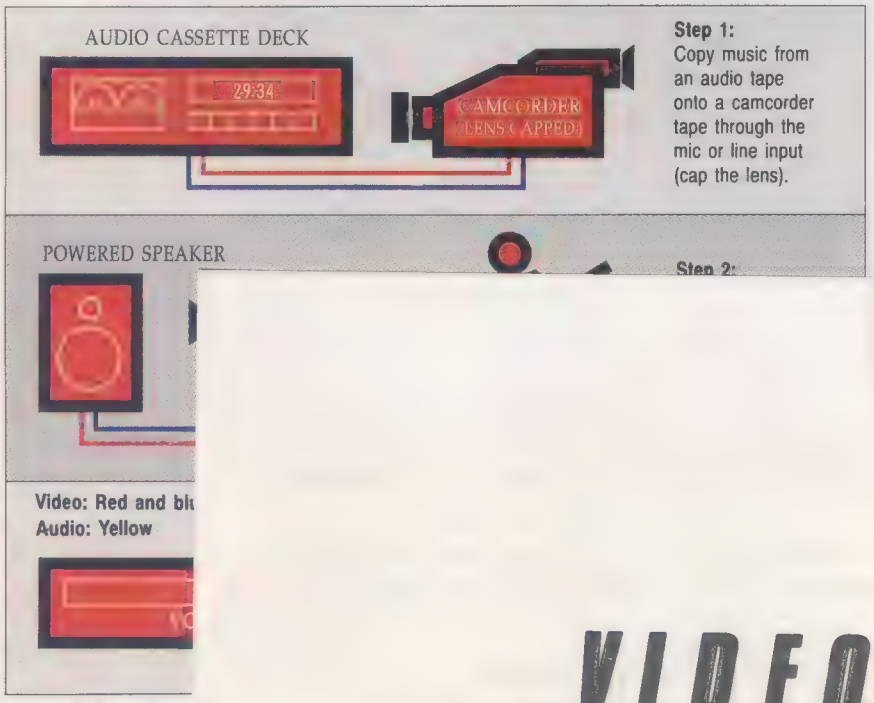
along. Unfortunately, the Hi8 and 8mm formats don't have this capability—with these, you must record new sound whenever you record a new picture. The crucial video dub feature is found on hobbyist S-VHS and VHS camcorder models, and their miniaturized VHS-C and S-VHS-C siblings.

Equipped with such a camcorder, you should first copy the song onto the videocassette you'll use in the camcorder. The picture should be black (just keep the camcorder's lens cap on) so it won't be distracting if it accidentally appears. Next, plan out the sequence of shots that will be matched to the song. Pay careful attention to points in the song where you may want to return to a previous location—these points can all be shot during the same setup. The more locations you have, the more lush beaches, lakes, parks, animals, etc.), industry (smokestacks, assembly lines), and/or commerce (shopping strips, malls, stores), and use these where appropriate.

Besides the camcorder, you'll need a stereo system or a powered speaker, and adaptor cables to get the audio signal from the camcorder's headphone or line output jack to the amplifier. This is how the band will hear the recording they're lip-syncing to. Where amplified music is a problem, the singer can wear headphones to lip-sync to the recording.

Go to your first location, play the tape, pause it at the spot where you want to begin recording an image, hit the video dub button, release from pause and begin shooting. If you make a mistake, go back and do it again until you get it right. (Too many recordings over the exact same spot will stretch the tape and create a glitch—you may want to make several copies of the audio track on a single tape, so you can move on to a different one after five or six takes.)

Rather than recording video in short bursts, you may prefer to start by shooting a master shot of the entire song—typically a wide shot showing the whole band. Then, using the video dub feature again, you can record new pictures over



Making A Music Videc

PLACE
STAMP
HERE

VIDEO
460 West 34th Street
New York, NY 10117-0460

VIDEO SHOWCASE

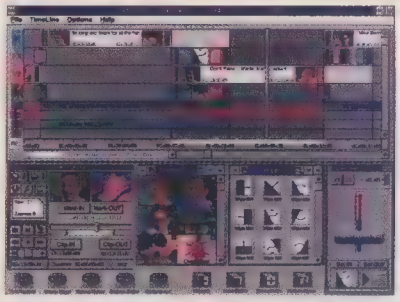
BOGEN 3169 CINE/VIDEO TRIPOD

THE IDEAL CAMCORDER COMPANION

Easy to use and easy to handle, the 3169 combines Bogen 3001 Tripod Legs and a 3130 QR Micro Fluid Head with Quick Release Plate. The Bogen 3001 Tripod is the lightest (about 3 lbs.) and the smallest (folds to 20 1/2 in.), but is one of the most versatile tripods we offer. Sturdy, hard finish aluminum legs feature 3 click stop spread angles and each has a sure grip, quick-acting, non-fouling lever lock. The Bogen 3169 is just one of a wide choice of tripods, fluid heads, dollies and accessories.

See your dealer or write to Bogen Photo Corp., 565 East Crescent Avenue, Ramsey, N.J. 07446-0506; (201) 818-9500

CIRCLE SHOWCASE #1



The Studio On Your Desktop

Video Machine from FAST Electronics is a complete A/B roll editing system for PC and Macintosh computers. With machine control, two frame synchronizers, hundreds of editable DVE transitions, audio mixing and anti-aliased titling, and graphics with alpha channel, Video Machine provides all of the components necessary to create professional quality video productions on the desktop.

Video Machine and its VM-Studio companion software utilize an easy-to-use timeline interface for editing, as well as tools for clip management and even the ability to create your own unique effects. Machine control is provided for Control-L and 5-Pin Edit Control, with optional RS-422 and RS-232 control available. Video Machine can always be expanded with a range of professional options including YUV input/output and nonlinear editing, ensuring that the system will grow to fit your needs.

For more information, call FAST at (800) 248-FAST.

CIRCLE SHOWCASE #3

Need Some Technical Help?

CEDIA (Custom Electronics Design and Installation Association) is an organization that can help you put together your dream home theater system. They can provide you with design information as well as referrals to qualified A/V installers. For further information and referrals, call (800) 233-4230.

CEDIA

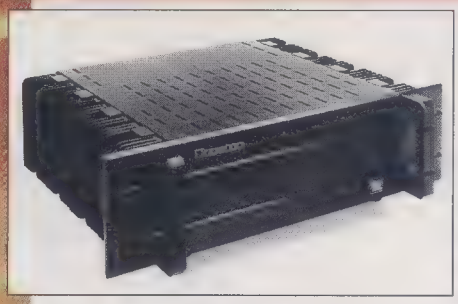
para
Professional AudioVideo Retailers Association

AUDIOPHILES and videophiles considering major A/V purchases would do well to contact PARA (Professional Audio Video Retailers Association). To assure you of qualified sales and service, they will put you in touch with your local PARA dealer. For further dealer information, call (816) 444-3500.

IF YOU'RE considering setting up a satellite home theater or want to consult with the experts about your current system, you can turn to the SBCA (Satellite Broadcasting and Communications Association of America) for help. Their national information line is (800) 726-7222.

SBCA

CIRCLE SHOWCASE #3



BRYSTON'S 7B NRB THX® MONAURAL AMPLIFIER

Bryston, well known for their high-quality amplifiers, has introduced their most powerful home theater model to date — the 7B NRB THX®. Optimized for use in a THX system, the 7B NRB THX® is designed to provide unlimited power reserves for any home theater system.

The 7B NRB THX® consists of all discrete and symmetrical circuitry, ensuring signal linearity from input to output. Adding to the unit's dynamic sonic performance are gold-plated balanced (XLR and 1/4") and unbalanced (RCA) input connectors that allow for flexibility in setup and freedom from distortion. Another convenient feature is the 7B NRB THX®'s back-panel "mode" switch that lets the output stage to be configured in either a series or parallel mode.

Contact Bryston at (415) 751-1764 for more information on the 7B NRB THX® or on any of Bryston's other quality products.

® THX is a registered trademark of LucasArts Entertainment Company.

CIRCLE SHOWCASE #4

BANG! BOOM!

whisper whisper

whisper whisper

BOOM! BANG!

Introducing the

VOLUME STABILIZER™

that lets you hear the whispers and stops you from cringing at the bangs.

It's an innovative, low cost solution to home video volume control problems because it automatically increases the volume of the audio source during soft passages and reduces volume during loud passages. You'll hear every word of dialogue and every bar of music while the VOLUME STABILIZER softens the sounds that are normally too loud.

Whether you use a satellite dish, a home theatre system, or just a VCR, you can put the remote control aside. Prices start at $119.50.

For more information call or write:

Brookline Technologies

2035 Carriage Hill Road
Allison Park, PA 15101-3350
800-366-9290

Circle 7 on Reader Service Card.

BY RODERICK WOODCOCK

Hidden time code and the fate of S-VHS

Q In your October '93 issue, a reader claimed that he couldn't find a Hi8 camcorder with RC time code and image stabilization. Well, there is one. It's the Sony EVO-150TR, which is the same as the Sony CCD-TR101 but has a color viewfinder. I have one, and it's great.

Thomas Knaebel
Jefferson City, Missouri

A Apart from a differently colored case and a few accessories (two NP77H batteries instead of one), the Sony EVO-150TR is exactly the same as the consumer TR101. It's just sold in professional venues. The only real difference is the addition of a color viewfinder. A similar consumer model, also with a color viewfinder, has been available in Japan for some time. Both will write RC time code to the tape while recording, but neither can play it back. For that you need a Sony CCD-V801 (now discontinued) or equivalent, a VX3 camcorder or the CCD-V1000 VDeck.

While the 150's manual points out its time code writing capability, this feature is not mentioned in the TR101's manual. You wouldn't know it has it unless you have a machine that can read time code.

Q NTSC is made up of 525 lines of horizontal resolution, or is it 400, 330, 250 or less? I understand that Hi8 and S-VHS deliver 400 lines, while broadcast resolution is about 330 and regular VHS somewhere in the 180-to-250 range. What I don't understand is how TV sets adjust to this. Do they just project fewer lines? Do they duplicate some lines in order to fill the screen with 525 lines? If so, how do they decide which lines to duplicate?

Rob Blaine
Austin, Texas

A The problem is that the 525 lines refers to the vertical resolution of the NTSC scanning system. Each video frame consists of two 262-1/2-line fields, or complete top-to-bottom picture scans, interlaced with each other.

Horizontal resolution, on the other hand, refers to a different set of lines. Imagine a test pattern of vertical stripes, alternating in black and white across the horizontal width of the screen. Given a standard test pattern, the higher resolution video formats, such as Hi8 and S-VHS, can record more of these lines on tape than low-res formats like VHS and 8mm.

Thinking of the difference in other terms may help. For example, if you photographed a landscape with an 8x10 view camera, and took the exact same picture with an inexpensive 35mm camera, the two views would match in terms of composition. But the 8x10 would offer much more picture detail and sharpness.

It's the same with TV. Every picture always contains the necessary elements of 525 vertical lines, but the horizontal resolution of the format or signal feeding the TV may vary, and on some monitors can actually exceed 525 lines.

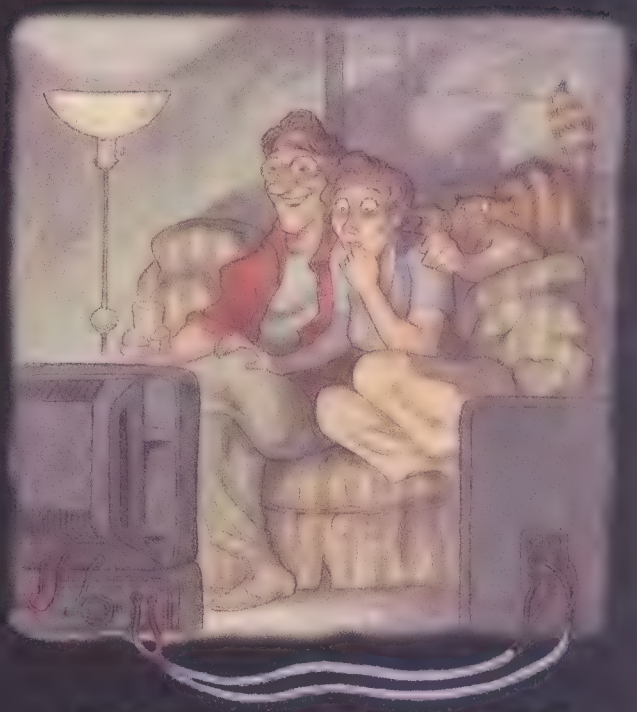
Q In a recent issue of *TV Guide*, a reader asked, "What happened to S-VHS recorders?" to which the magazine replied, "The revolution is over and S-VHS lost." Am I foolish to continue to shoot on Hi8 and then copy to S-VHS, or should I use ordinary 8mm and a good VHS tape? I would hate to see my Hi8 go the way Beta went.

Marshall Johnson
Bloomington, Minnesota

A *TV Guide* went on to say that S-VHS "sales have been poor. Apparently most people would rather have a decent picture at a low price than a superior picture at a high price."

Gee, I wish I could afford to be so glib with my answers. While it's true that S-VHS sales have been disappointing in the consumer market, the format has been enormously successful in the industrial/professional area and it's in no immediate jeopardy of "doing a Beta."

In the mass market, VHS certainly dominates, but S-VHS still has its consumer devotees, especially with those Hi8 camcorder users who want to maximize picture quality when dubbing and editing. That's why most brands continue to offer at least one consumer S-VHS deck in their lines. Compared to VHS and 8mm, both Hi8 and S-VHS can be considered niche formats, for the aficionado, but neither can be considered a "loser" format. ■



Which scares you more, a horror film with the sound turned off, or a horror show on the radio? The answer is easy because it is the movie's soundtrack which carries the pathos and emotion. You can enjoy sound without pictures, but who wants pictures without sound?

It's What You Don't See That Counts.

It doesn't cost more to do it right! AudioQuest offers a full range of cables, but the biggest improvement you'll hear is going from big fat stranded cable to the least expensive cables from AudioQuest. For the complete story, please call or write for our *Cable Design* booklet – or better yet, visit an AudioQuest dealer and listen for yourself.

It just so happens that cables are the part of your system which can help or hurt the performance the most... and for the least money. Whether you have two-channel stereo or multi-channel stereo, you have to have cables. You can't completely fix a bad system with good cables, but you can seriously degrade a good system with badly designed cables.

You won't see the cables and you won't see the sound – but you will experience the difference!

audioquest®

P.O. Box 3060 San Clemente, CA 92674 USA TEL (714) 498-2770 FAX (714) 498-5112
Distributed in Canada by Audio Products International, 3641 McNicoll Ave., Scarborough, Ontario, M1X 1G5 Tel 416-321-1800

VIDEOTESTS

27 Heaven: Sony's KV-27XBR95S is one of the most advanced 27-inch TVs you can buy, with a reduced-curvature screen and dark-tint face plate. Below is its jack panel, which includes three S-video/video/stereo audio inputs.

VIDEOTEST 725

SONY *27-inch TV*

For our "27-inch Super Bowl" TV comparison test in last November's issue, Sony sent us its modestly priced, $999 KV-27V55 instead of its top-of-the-line, $1,899 KV-27XBR95S XBR² set. The KV-27V55 ran in the middle of the pack, bested most notably by Panasonic's $1,299 CT-27XF40 and ProScan's $1,099 PS27152. Ever since, we've wondered how a Sony XBR² model would stack up against these top sets. Now we know.

Let's cut to the chase here—the XBR² is a truly outstanding TV that meets or beats anything in the 27-inch field. In a side-by-side comparison with Mitsubishi's CS-27701 ("Videotests," Mar. '94) and the Panasonic and ProScan models mentioned above, the XBR² emerges as the clear standout in terms of detail and depth—this may be the most detailed NTSC picture we've seen, although the Panasonic comes in a fairly close second. With good software like the *Benny & Joon* laserdisc we often use for testing, the picture takes on an almost 3-D look.

The only place the XBR² meets serious competition is in color accuracy. The color accuracy of this set is actually better than that of other Sony consumer

Sony KV-27XBR95S 27-inch XBR2 TV

Price: $1,899

Weight & Size (h/w/d): TV 114.7 pounds, speakers 11.1 pounds each; TV without speakers 22-1/8 x 26-7/8 x 21 inches, TV with speakers 22-1/8 x 35-1/8 x 21 inches

Screen Size: 27 inches diagonal

Speaker Size: two detachable speakers, each with two 2-1/4-inch tweeters and one 5-1/8-inch woofers

Broadcast Tuning Range: 2 to 13, 14 to 69

Cable Tuning Range: 125 channels—A-8, A-7, A-6, 2 to 13, A to W, W+1 to W+58, A-5 to A-1, W+59 to W+84

Jacks: front—video/stereo audio input (duplicate of video 3 on rear); rear—3 S-video/video/stereo audio inputs, S-video/video/stereo audio output (selected source), video/stereo audio output (loop-through of input 3), Control S input and output, RF input with loop-through input and output for cable box, fixed- and variable-level stereo audio outputs

External Speaker Connectors: spring-loaded clips for front and surround speakers

HIGHLIGHTS

Sony's KV-27XBR95S may be the best Sony TV we've tested. With a flatter screen and a darker faceplate than most Sonys, it offers enhanced contrast and color saturation. Its large, detachable speakers are almost like having a separate sound system. Its features include picture-in-picture, several surround sound modes, amplifiers for surround speakers and a digital still frame that can be recalled. Picture, sound and overall performance are all excellent. At $1,899, it's today's costliest 27-inch consumer TV, but if your pockets are deep, it's worth the money.

VIDEOTEST PHOTOGRAPHS: LES MORSILLO

sets we've tested. The color temperature at factory preset measures 6,200 Kelvin at the low setting and, 6,500 (the NTSC standard) at the high setting, both uncharacteristically low (and accurate) for a Sony. However, despite the XBR²'s impressive color accuracy, we prefer the color rendition of the ProScan set—the Sony seems to pump up the reds a bit too much, making evening skies look more like nuclear attacks, and adding a flush cast to fleshtones. But the ProScan is a bit noisier and shows less detail (for more info, see "Videotests," Jan. '94).

The distortion is also quite low, comparable to that of the other sets, which are nearly perfect. Also, the XBR² overscans slightly less than the other sets, so you see maybe two percent more picture on the sides. Overall, the XBR² strikes a nice balance—you can't beat the detail and depth, and the color, despite a few very minor flaws, is pretty impressive.

Sony achieves this impressive picture using its Super Trinitron tube, which offers reduced horizontal curvature for less reflection from room light. (Like all Trinitrons, it's flat vertically.) A dark-tinted screen enhances the set's contrast and color saturation.

Like its 32-inch brother, the $2,599 KV-32XBR95S ("Videotests," Jan. '93), the KV-27XBR95S uses Sony's DSP Axis Sound system, which includes two

continued on page 29

Internal Audio Amplifier Power: front 13 watts/channel stereo, surround 6.5 watts/channel stereo

Key Features: dual-tuner picture-in-picture, picture preset modes, digital still, six surround sound modes, surround speaker amps, 8- or 16-picture channel index

RESULTS

Horizontal Resolution: more than 700 lines

Picture S/N (dB): luminance 56.2, video 54.7, chroma AM 64.4, chroma PM 63.5

Screen Brightness: 103.5 footlamberts at standard setting

Color Temperature: switchable 6,500/6,200 Kelvin

Accuracy of Colors: very good/excellent

Audio Frequency Response: electronics 20 Hz-20 kHz, +0.4/-0.7 dB; speakers 50 Hz-16 kHz, -3 dB

Audio S/N: 76.2 dB

Total Harmonic Distortion: electronics 0.2%, speakers 0.6%

RATINGS

Picture: excellent

Audio: excellent

Overall: excellent

VIDEOTEST 726

JVC VHS VCR

JVCs top-of-the-VHS-line HR-VP700U offers something for everyone. For home theater enthusiasts, it offers VCR Plus with cable box control, many forward and reverse speeds, and a bass boost button. For video editors, it has an eight-scene edit controller, a flying erase head, video dub and a jog/shuttle dial.

VCR Plus with cable box control lets you program both your VCR and cable box by entering a four- to seven-digit code from *TV Guide* or your local TV listings. The deck controls the cable box through a credit card-sized infrared remote, which has buttons to select the brand of cable box to be operated. The remote connects to the HR-VP700U with a wire; JVC supplies 1.5- and three-meter lengths. A hinged stand makes the cable-box remote easy to position so that it aims at your VCR's infrared receiver. This is a great feature if you use a cable box, but if your cable channels don't correspond to those in the listings, you'll have to reprogram the channel assignments through the HR-VP700U's onscreen menu system—an easy but time-consuming chore. Of course, you'll still be able to use the VCR Plus by itself if you don't use a cable box.

Speed control buttons on the remote access five forward play/search speeds, five forward slow-motion speeds and three reverse play/search speeds. These buttons are very convenient because they let you lock onto any speed you want—most decks require you to keep twisting the jog/shuttle dial.

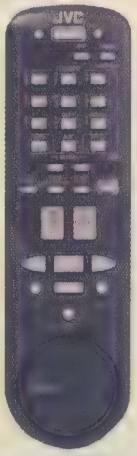
Speaking of jog/shuttle dials, the HR-VP700U has two—one on the remote, one on the deck. These also let you move forward frame-by-frame. Unusually, and unfortunately, they don't let you move backward frame-by-frame, so to find an edit point, you end up going past it, rewinding, then stepping forward. Overstepping your point means repeating the process, instead of simply stepping back a frame as on most decks with jog/shuttle dials.

Editing enthusiasts will find the limited jog/shuttle function a major inconvenience. However, they will like the insert function, which replaces the video and the hi-fi audio, but retains the linear track audio—sort of like video dub plus

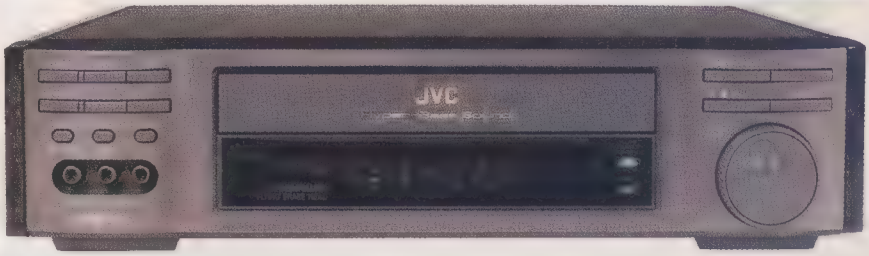
continued on page 30

HIGHLIGHTS

For videophiles who want all the features of top S-VHS VCRs but don't want to pay for the extra picture quality, JVC's $600 HR-VP700U may be the ticket. It carries VCR Plus with cable box control, and some editing features, like a jog/shuttle dial, a flying erase head and an eight-scene edit controller that works with JVC VCRs. (An optional remote lets the controller work with almost any VCR.) We rate the picture excellent, audio very good to excellent and overall performance very good to excellent.



Cable Commander: JVC's HR-VP700U uses a tiny wired infrared remote and VCR Plus circuitry to control a cable box.



Samsung's Surprise: Samsung is known for budget VCRs, but its VR8903 offers advanced features like a jog/shuttle dial and VCR Plus with cable box control.

VIDEOTEST 727

SAMSUNG VHS VCR

Samsung's rise to the top ranks of electronics companies has gone largely unnoticed by videophiles, mainly because the company has concentrated on building price-leader VCRs with few of the features enthusiasts demand. But Samsung's now trying to overhaul its image by introducing higher-priced, advanced products: camcorders, TVs with S-video inputs, hi-fi VCRs and laserdisc players.

The company's approach can be seen in its newest top-of-the-line VCR, the VR8903. Its front jog/shuttle dial—the most obvious mark of a high-end VCR—immediately catches your eye, and a look at the specs uncovers VCR Plus with cable box control, a remote that also controls most brands of cable boxes and TVs, and variable-speed, bidirectional slow motion.

You can access the deck's many playback speeds using the jog/shuttle dials on the deck and the remote. Forward speeds include 1/15x and 1/7x slow motion, play, double-speed play, and 5x and 9x visible search modes. The reverse speeds are the same, with the deletion of double-speed. Using the jog dial, you can step through a video frame-by-frame in either direction.

The inclusion of a jog/shuttle dial is surprising, given that the VR8903 has no other editing features. For editing, you really need a flying erase head to prevent glitches between scenes, as well as video dub and audio dub, none of which are found on the VR8903. However, home theater enthusiasts will enjoy using the jog/shuttle dials to examine movie special effects and other interesting video snippets frame-by-frame.

Timeshifting enthusiasts will appreciate the inclusion of VCR Plus with cable box control. To use this feature, just enter a four- to seven-digit code from *TV Guide* or the local listings, and both your deck and the cable box will be programmed to record the desired show. The VR8903 controls a cable box through an emitter on the deck's right front top. You have to place the cable

continued on page 31

HIGHLIGHTS The VR8903 is the finest VCR Samsung has yet produced. It offers such advanced features as jog/shuttle dials on both the deck and the remote, VCR Plus with cable box control, variable-speed slow motion and a second set of audio outputs. Thoughtful control layouts make it very user-friendly. We rate the picture, audio and overall performance good to very good. There are other decks listing for $600 that have more features and outperform this one at the SP speed. But if ergonomics or EP recording quality are important to you, this deck is worth a look.

Samsung VR8903 VHS VCR

Price: $600

Weight & Size (h/w/d): 10.1 lbs., 3-1/2 x15-5/8 x 12-1/2 inches

Tape Speeds: SP, LP, EP

Video Heads: 4

Cue & Review Search: (locking) 5x SP and LP, 7x EP; (nonlocking) 9x SP, 27x EP

Fast Forward/Rewind Time: 2-3/4 min. for 120-min. tape

Jacks: front—video/stereo audio input; rear—video/stereo audio input and output, stereo output for driving hi-fi system, RF input and output

Edit Protocol: none

Program Start Locator/Index/Cue: index with auto marking

Audio: linear mono, hi-fi AFM stereo

Cable Tuning Range: 2 to 13, A to I, J to W, W+1 to W+58, W+59 to W+84, A-1 to A-5, 5A

Timer: 8-event/1-year

Clock/Timer Battery Backup: 6 hours

Key Features: VCR Plus with cable box control, jog/shuttle on VCR and remote, skip search

RESULTS

Horizontal Resolution: 240-250 lines SP, 220 EP

S/N Ratios (dB): unweighted video 45.4 SP, LP and EP; weighted video 50.7 SP, 50.2 LP, 50.4 EP; chroma AM 43.8 SP, 42.2 LP and EP; chroma PM 39.8 SP, 36.5 LP, 36.8 EP

Audio Frequency Response: hi-fi 40 Hz-20 kHz, +0.4/-3 dB, -4 dB at 20 Hz; linear (-3 dB) 80 Hz-11 kHz SP, 80 Hz-4.5 kHz LP and EP

Hi-Fi Dynamic Range: 84.8 dB

Linear Audio S/N: 42 dB

Audio Distortion: hi-fi 0.3%, linear 0.9%

RATINGS

Picture: good/very good

Audio: good/very good

Overall: good/very good

INNOVATION SPECIALTIES

NADY SYSTEMS INC.

YOUR EXCLUSIVE NADY DEALER!

GUARANTEED LOWEST PRICES ON NADY VIDEO CAMCORDER ACCESSORIES!

CALL TOLL FREE!

1-800-222-8228

CALL FOR BEST POSSIBLE COMPETITIVE PRICING

151 VR WIRELESS VIDEO MICROPHONE

CALL FOR BEST POSSIBLE COMPETITIVE PRICING

351 VR ULTRA COMPACT PRO WIRELESS VIDEO MICROPHONE

SALE $19.95

NHM-200
Narrator
Headset Monitor

SALE $31.95

VLM-770
Powered Lavalier Microphone

SALE $34.95 SBM-500
Stereo Camcorder Microphone

SALE $52.95 CTM-600
Normal/Tele Camcorder Microphone

SALE $49.95

MCM-400
Real Time Camcorder Audio Mixer

SALE $69.95

AVM-300X
Stereo A/V Mixer with Video Fade

SALE $79.95

WH-90
Wireless Stereo
Headphone System

CALL FOR BEST PRICING

551 VR
Two Channel Wireless Video Microphone

SALE $45.95

VCM-100
Camcorder Boom Microphone

Circle 8 on Reader Service Card.

innovation specialties

2625 ALCATRAZ #243
P.O. BOX 5899-243
BERKELEY, CA 94705

VISA

Add $5 for shipping and handling per order. Most orders shipped within 48 hours. Special delivery services available. CA residents add applicable sales tax. All prices quoted include manufacturer's standard accessories & U.S. Warranty. Visa and MasterCard accepted. COD, too.

The Best Price and Performance in Video Camcorder Accessories!

Simple Shootin': Except for zoom, focus and a couple of auto exposure modes, GE's CG818A offers no manual control over camera functions.

VIDEOTEST 728

GE *8mm camcorder*

Four years ago, the only camcorders listing for less than $700 were marginal machines with "peashooter" optical tube viewfinders and no playback facility. The only true subcompact camcorder, Sony's 8mm CCD-TR5, listed for $1,500. We've come a long way since then—you can now get a fully functional camcorder for only $649, GE's CG818A.

We can't remember ever testing a camcorder this inexpensive, certainly not one that offers full functionality. For $649, you get the advantages of 8mm (small size, long recording time), with an electronic CRT-type viewfinder, an 8x zoom lens with manual and automatic focusing, auto macro focusing at wide angle, a full set of playback controls and date/time imprinting. The CG818A has only one zoom speed—*slow*—but it does have a headphone jack and an accessory shoe, both of which are conspicuously absent even from many Hi8 camcorders.

Instead of manual controls, the cam-

HIGHLIGHTS

At a list price of $649, the GE CG818A is one of the least expensive camcorders you can buy. It offers no manual control of iris, shutter speed, white balance or backlight compensation, instead supplying five auto exposure modes (plus full auto operation) to adjust for unusual shooting situations. Unlike some very inexpensive camcorders, it has autofocus and an 8x zoom lens. With no fader, mic jack, stereo sound, titling or edit control provisions, this camcorder is definitely not for serious videographers. But the picture and audio quality are only a small notch below those of more expensive camcorders, so at a price $350 below that of a typical 8mm camcorder, this is a steal for fun family video.

GE CG818A 8mm Camcorder

Price: $649

Weight & Size (h/w/d): 1.7 lbs. without battery or cassette, 4-5/8 x 4-5/8 x 10-1/4 inches

Image Sensor: 1/3-inch CCD

Lens: f/1.8, 8x (6-48 mm) zoom

Filter Diameter: 37mm

Minimum Focusing Distance: 1 inch in wide-angle

Autofocus: TTL

Iris: auto/programmed AE

Shutter Speeds (sec.): 1/60 (normal), sports 1/60 to 1/250, high-speed 1/250 to 1/10,000, close-up 1/60, low light 1/60, foreign lighting 1/100

White Balance: auto only

Viewfinder: electronic CRT

Microphone: mono electret condenser

Jacks: video/audio out, DC out for RF convertor, earphone

Tape Speeds: SP, LP (play only)

Video Heads: 2

Cue & Review Search: forward 9x, reverse 7x

Fast Forward/Rewind Time: 6-1/4 min. for 120-min. tape

Edit Protocol: none

Audio: hi-fi AFM mono

Clock/Timer Battery Backup: 1 year

Key Features: five auto exposure modes, flying erase head

RESULTS

Horizontal Resolution: 250 lines

S/N Ratios (dB): unweighted video 36.4, weighted video 44.5, chroma AM 37.8, chroma PM 34.8

Minimum Illumination: 4.8 lux for 50 IRE

Audio Frequency Response: 70 Hz-20 kHz, +0.07/-3 dB, -16.4 dB at 20 Hz

Hi-Fi Dynamic Range: 76.7 dB

Audio Distortion: 0.5%

Approx. Battery Life: 76 min. (man. focus/no zoom)

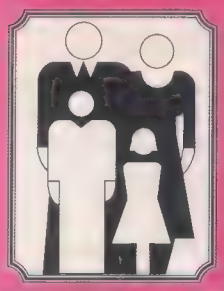
RATINGS

Picture: good

Audio: good

Overall: good

SHOP WITH CONFIDENCE BECAUSE YOU HAVE A FRIEND IN THE FAMILY AT FAMILY PHOTO & VIDEO



Family Photo & Video

24 HOUR FAX HOTLINE
1-718-998-6650
CUSTOMER SERVICE LINE
1-800-405-7468
LOCAL NY LINE
1-718-645-1298

1-800-309-7468

BUSINESS HOURS: MON-THURS 9:30AM - 8:30PM, FRI 9:30 - 6:30PM, SUN 10AM-7PM, CLOSED SATURDAY

WE ACCEPT ALL MAJOR CREDIT CARDS WITH NO SURCHARGE! NO SHIP COD!
WE SHIP ANYWHERE ON EARTH! WE SHIP OVERNIGHT BY REQUEST!

PIONEER

CLD-D702 LASER DISC
•Digital Special Effects •Jog/Shuttle $699.99

CLD-V820 KARAOKE
•Laser Disc Player •Two Sided Play $599.99

VSX-D1S RECEIVER
•Dolby Pro Logic w/DPS •130 Watts Per Channel $769.99

VSX-D902S RECEIVER
•Dolby Pro Logic w/DPS •125 Watts Per Channel $669.99

PD-TM3 CD
•18 CD Play •Random Play $299.99

CT-WR02R CASSETTE
•Dual Auto Reverse •CD Deck Synchro $234.99

CLD-D502 LASER DISC	449.99	CLD-V740 LASER KARAOKE	509.99	VSX-402 RECEIVER	189.99	PD-M552 CD	149.99
CLD-M401 LASER DISC	439.99	CLD-V720 LASER KARAOKE	514.99	PD-TM2 CD	294.99	PD-M502 CD	144.99
CLD-M301 LASER DISC	369.99	VSX-D2S RECEIVER	CALL	PD-DM902 CD	254.99	CT-WM62R CASSETTE	289.99
CLD-S201 LASER DISC	299.99	VSX-D902S RECEIVER	669.99	PD-DM802 CD	219.99	CT-W602R CASSETTE	189.99
CLD-V840 LASER KARAOKE	CALL	VSX-D702S RECEIVER	489.99	PD-M702 CD	169.99	CT-W502R CASSETTE	149.99
		VSX-D602S RECEIVER	419.99	VSX-502 RECEIVER	299.99		
		VSX-512S RECEIVER	324.99	VSX-452 RECEIVER	219.99		

SONY

CCD-TR101
•Hi Fi •10x1 Zoom •Stabilization •Hi Band 8mm $999.99

CCD-TR500
•Color Viewfinder •Image Stabilizer •Accepts Lithium $1099.99

CCD-FX620
•Hi Fi •12x1 Zoom •Sportsfinder •3 Mode Program AE $629.99

SLV-900HF VCR PLUS
•Cable Mouse •Flying Erase Head $414.99

EV-S3000 VCR
•Hi Band 8mm •TBC Shuttle $1269.99

MDP-455 LASER DISC
•Noise Reduction •3 Line Digital $349.99

CCD-TR21	544.99	CCD-TR200	739.99	CCD-FX710	CALL	SLV-700 VHS	329.99	EV-C40 8MM	CALL	GV-S50 8MM/TV	734.99
CCD-TR31	544.99	CCD-TR300	889.99	CCD-VX3	2689.99	SLV-750 VHS	374.99	EV-A50 8MM	334.99	SL-HF 360 BETA	CALL
CCD-TR61	584.99	CCD-TR500	1099.99	CCD-SC5 3"Color Mon	669.99	SLV-900 VHS	414.99	EV-C100 8MM	479.99	MDP-455 LASER DISC	349.99
CCD-TR65	669.99	CCD-FX310	509.99	SLV-400 VHS	224.99	SLV-R1000 VHS	874.99	EV-S3000 8MM	1269.99	MDP-605 LASER DISC	534.99
CCD-TR71	564.99	CCD-FX420	524.99					EV-S2000 8MM	CALL	STRD-1011	374.99
CCD-TR91	839.99	CCD-FX520	579.99					SLS-600	CALL	STRD-711	274.99
CCD-TR101	999.99	CCD-FX620	629.99					CVD-1000 VDeck	CALL		

Panasonic

PV-43
•1 Lux •Stabilization •20x1 Digital Zoom •Color Digital Fade $689.99

PV-IQ403
•1 Lux •Video Light •10x1 Zoom •Color Viewfinder $549.99

PV-S63
•S-VHS-C •Stabilization •360,000 Pixels •20x1 Digital Zoom $969.99

PV-S4366 VCR
•Super VHS •Hi Fi Stereo $434.99

PV-S2786 VCR
•Super VHS •Time Base Corrector $694.99

AG-455
•1 Lux •S-VHS •VITC Generator •Time Based Corrector
SEE BELOW FOR FULL PRO LINE $1469.99

PV-S770	944.99	NEW PV-IQ204	CALL	PV-332	559.99	PV-S372	844.99	PV-S63	969.99	PV-4351	249.99
PV-810	559.99	PV-IQ303	529.99	PV-362	639.99	PV-53	869.99	PV-2301	164.99	PV-4361	309.99
PV-800	529.99	NEW PV-IQ304	CALL					PV-4301	189.99	PV-4362	339.99
PV-760	779.99	NEW PV-IQ404	CALL					PV-4311	199.99	PV-S4366	434.99
PV-IQ203	524.99	PV-IQ503	639.99					PV-4314	234.99	PV-S4380	694.99

Canon

E-250
•Hi Fi •12x1 Zoom •180 Flexi-Grip •Title Scroll Display $574.99

A1 DIGITAL
•Hi-8mm •10x1 Zoom •410,000 Pixels •Digital Special Effects $999.99

UC-S5
•24x1 Zoom •Stabilization •Hi-Band 8mm •5 Program Modes CALL

L-2 PRO	CALL	UC-1	544.99	E-520	579.99
A-1 DIGITAL	999.99	UC-20	CALL	E-350	629.99
UC-S5	CALL	E-700	CALL	E-250	574.99
US-C3	CALL			E-67	564.99
UC-S2	CALL			E-65	499.99
UC-S1	CALL			CALL FOR ALL OTHER MODELS	

RCA

PRO 808
•1 Lux •8x1 Zoom •Remote Control •Flying Erase Head CALL

PRO 830
•1 Lux •10x1 Zoom •Remote Control •Flying Erase Head CALL

VR-7200 VCR
•S-VHS VCR Plus •Cable Box Control CALL

CC-174 VHS-C	CALL	PRO-830 8MM	CALL	VR-720HF VCR	CALL
CC-178 VHS-C	CALL	PRO-840 8MM	CALL	VR-667HF VCR	CALL
CC-188 VHS-C	CALL	PRO-883 8MM	CALL	VR-664HF VCR	CALL
CC-190 VHS-C	CALL	PRO-930 8MM	CALL	VR-658HF VCR	CALL
CC-412 VHS	CALL			VR-601HF VCR	CALL
CC-540 VHS	CALL			VR-537HF VCR	CALL
PRO-808 8MM	CALL			VR-526A VCR	CALL

JVC

GR-SZ1
•S-VHS •22x1 Zoom •Hi Fi Stereo •Color Viewfinder $1224.99

GRS-Z1	1224.99
GR-SX90	699.99
GR-M 7	669.99
GR-M 5	509.99
GR-M 3	464.99
GR-AX5	489.99
GR-AX55U	589.99
GR-AX75	789.99
HR-S 6900	CALL
HR-S 6800	549.99
HR-S 4900	CALL
HR-S 4700	419.99
HR-VP700	369.99
HR-VP606	334.99
HR-J600	279.99
HR-J400	194.99

VIDEONICS

TITLEMAKER
•Super Impose •8000 Char Memory $344.99

Title Maker	344.99
Edit Maker	449.99
Thumbs Up	154.99
Sound Effects Mixer	114.99
Equalizer	214.99
MX-1 Mixer	Call

MITSUBISHI

HS-U70 VCR
•VCR •Hi Fi Stereo $464.99

HS-U82	CALL	HS-U56P	369.99
HS-U69	CALL	HS-U48	349.99
HS-U58	384.99	HS-U28	229.99

sima

FX/ED IT4
•Unique Crossfader •Stereo Sound Mixer •Variable Wide & Fade •Digitally Controlled $179.99

SFX-5 Video Pro Magic	CALL
FX ED/it 4	179.99
FX ED/it 3	129.99
FX ED/it 2	64.99
FX ED/it 2X	124.99
Stereo Sound Mixer	44.99
Screenwriter	127.99
Colorwriter Magic	CALL
Booster Box	19.99
Copy Kit	19.99
Copy Kit 2	29.99
Copy Kit 3	74.99
Edit Mike Pro	24.99
Lapel Mike	20.99
Universal Mini Cam Light	34.99
Mini Video Prop	24.99

WE CARRY A FULL LINE OF AZDEN

RICOH

R-18H
•Stabilization •Hi-Band 8mm CALL

R-16	CALL
R-17C	CALL
R-18H	CALL

WE CARRY A FULL LINE OF NIKON & YASHICA CAMCORDERS AT GUARANTEED LOW PRICES

HITACHI

VM-H38A
•Stabilization •Hi-Band 8mm CALL

VM-H39A	CALL
VM-E53A	CALL
VM-E55A	CALL
VM-H57A	CALL

ALL MODELS IN STOCK AT GUARANTEED LOW PRICES

Panasonic

AG-1970 VCR
•Jog Shuttle •Time Base Correction $1194.99

PROFESSIONAL INDUSTRIAL

NEW AG-195	889.99
AG-455	1469.99
AG-460	2269.99
AG-W1	CALL
AG-3	2239.99
AG-1280	249.99
AG-1740	319.99
WJ-TTL5	204.99
WJ-MX50	3789.99
WJ-MX30	1999.99
WJ-AVE7	CALL
WJ-AVE5	1049.99
WJ-AVE3	319.99
AG-A96	349.99
CT-1383Y Monitor	239.99

CITIZEN

3" COLOR MONITOR
M329 $119.99

M-329 Color Monitor 3.0"	119.99
M-329 PAL	119.99
M-938 Color Monitor 3.8"	199.99
TV Tuner	59.99
AC Adaptor	19.99
Car Adaptor	29.99

VIDEO REWINDERS

8MM REWINDER
$24.99

8mm Rewinder	24.99
VHS Rewinder	14.99
Beta Rewinder	19.99

CALL FAMILY VIDEO & GET GUARANTEED LOW PRICES

Circle 9 on Reader Service Card.

Company Policy: All merchandise is brand new and factory packed. We accept all Major Credit Card & COD. Money Order should be sent to 1961 CONEY ISLAND AVE. BKLYN. NY. 11223. Allow 4 weeks for Personal Checks. Merchandise Returnable within 7 days for refund or exchange. All returns must be in original mint condition with factory box packaging & all paperwork. Refunds given less 5% Restocking Fee and less Shipping & Handling Charges. Prices are good for phone and mail order only. Products offered carry International Warranty unless stated otherwise. USA Products vary in cost. Call toll free. Not Responsible for typographical errors. PRICES VALID UNTIL END OF MONTHLY ISSUE. DCA# 0898874

corder offers five auto exposure modes plus full auto operation. The modes can be accessed by pushing a button on the camcorder's side. A display in the viewfinder shows which mode is activated, and an auto lock switch on the side of the camcorder prevents activation of the AE modes. The manual describes the modes thoroughly.

Two appear to set white balance to outdoor, while engaging the high-speed shutter—the sports mode uses the highest shutter speed practical between 1/60- and 1/250-second, the high-speed shutter mode uses speeds between 1/250- and 1/10,000-second. The close-up mode automatically zooms out for macro shots, and uses the 1/60-second shutter speed. The low light setting appears to boost gain by a couple of decibels, resulting in a slight improvement in brightness of low-light recordings, with a concomitant increase in noise. Last, there's a foreign lighting mode for shooting in fluorescent light in countries with 50-Hertz power. Too bad there are no modes for back-lit or front-lit scenes.

If you're interested in doing serious video, stay away—there's no microphone jack, no stereo sound, no variable-speed zoom, no LANC jack for edit control, no recording from line sources, no titling, no fader and, most important, no manual control of iris, shutter speed, backlight compensation or white balance. For most *Video Magazine* readers, those are important features. But most of the non-videophiles we know would *never use any* of those features!

With so few controls, the CG818A is extremely easy to use. The battery is the standard NP-55 type used on many Sony models, so spares will be inexpensive and easy to find. Although the lens cap is a cheap-looking plastic job attached with a tiny molded plastic strap, it is perhaps the most useable cap we've found—it fits very securely to the lens, and snaps firmly to the side of the camcorder for shooting. One possible negative result of the low price, however, is the transport mechanism, which doesn't look as substantial as those on more expensive 8mm camcorders.

GE doesn't supply a remote control, but there is a remote sensor above the lens. The camcorder responds to infrared commands from RCA camcorder remotes and the VCR 2 commands of RCA universal remotes. In fact, the CG818A is identical to the more expensive RCA Pro808, which is supplied with a remote and a different accessory pack.

What do you give up in picture quality with a $650 camcorder? Not as much as we expected. We rate the picture quality good, comparable to what we've seen in typical 8mms. From a measurement standpoint (because the CG818A doesn't record from line sources, we used a test tape made in a Sony EV-S3000 Hi8 VCR), the results are below average for 8mm camcorders. But recordings through the lens produced better (and more relevant) results.

The problems we noticed include a slight amount of chroma AM and PM noise, resulting in barely perceptible flickering of red and purple fields, and a very slight decrease in detail compared to the best 8mm camcorders. Color saturation was just a hair lower than we'd have liked. But there's none of the nasty-looking noise and artifacts you get with many expensive camcorders that use digital signal processsing. (Digital artifacts don't show up in lab measurements.) Overall, this is a respectable showing for any 8mm camcorder, and remarkable for one priced at $649.

CAMCORDER REPLACEMENT
BATTERIES
• HIGHEST CAPACITY • LONGEST RUN TIME
• LOWEST PRICES • 24 HOUR SHIPPING

PANASONIC PB80/88 orig. PAN	$39.00
SONY NP77H 2400 mah	$39.00
SONY 8mm 1500 mah	$26.00
CANON 8mm 2000 mah	$33.00
PALMCORDER 2000 mah	$33.00
JVC GR-C9 1500 mah	$35.00
SHARP BT 21/22	$45.00

RAPID CHARGERS
CAMCORDER CHARGER/DISCHARGER
6V, 7.2V, 9.6V from house or auto - 1 hr. time for Sony, Canon, Panasonic, RCA/Hitachi
Charges 1 battery $49 Charges 2 batteries $87

NEW External
Powerpac+®
will give you a minimum of 5 to 7 hours of recording time.
Powerpac+ includes:
• 6 volt @ 10 Amps sealed lead acid battery
• Heavy duty pouch and belt
• A charger for charging at home (optional charging cord for car, boat or plane).
• An adaptor of your choice.
$85

BATTERY-TECH, INC.
28-25 215 PLACE, BAYSIDE, N.Y. 11360 • FAX 718-631-5117
800-442-4275
DISCOVER VISA MasterCard

Circle 10 on Reader Service Card.

Minimum illumination is good at 4.8 lux for 50 IRE. The autofocus, however, is only fair—it tends to hunt a bit even in good light, and in medium to low light, we found it best just to switch it off and use manual focus.

Audio, too, shows some disagreement between lab measurements and hands-on tests. The bass response just ain't there—it's down 16.4 dB at 20 Hz. But who's going to use a $649 camcorder (especially one with no mic jack) for serious audio recording? For the audio material most people record with a camcorder—voices, voices and voices—the CG818A works quite well. The sound of the mic is warm, not the tinny, junky sound you'd expect from an inexpensive mic. There's virtually no leakage of transport or zoom motor noise into the mic, either. (Far too many *very* expensive camcorders have real problems in this area.) We rate the audio good overall.

Obviously, fans of Canon's L1 and Sony's CCD-TR101 won't be seduced by the CG818A. But if you're just looking for an inexpensive camcorder to dink around with, or if you're looking for one to give as a gift for someone who's not a video nut, the CG818A is a fine choice. We found no bothersome quirks in its performance, and for a $649 camcorder, that's a minor miracle. ■

27-INCH TV

continued from page 23

large, detachable speakers, each powered by a beefy (for a TV) 13-watt amp. It has amps for surround speakers, although surround speakers are not included. Surround mode options include Dolby Surround, Hughes SRS, jazz club, dance club, live concert and simulated stereo.

The sound system is so good, you might be fooled into thinking you were hearing a inexpensive rack system instead of a TV. The Dolby Surround mode produced a big, room-filling sound with surround speakers. It reproduces stereo pans in movie soundtracks well, but doesn't offer the front-to-back separation required to produce convincing front-to-surround pans, like the flyovers common to *Star Trek* TV shows and movies.

We didn't care all that much for the music surround modes (we seldom do), but you might like using them when you watch MTV. Clearly, though, this is the best sound system ever designed into a 27-inch TV. If sound isn't all that important to you, or you're using the TV in your bedroom, you could even blow off using a separate surround sound system (although any Dolby Pro-Logic system would produce superior results).

As you'd expect for $1,899, the set offers a good helping of features. These include a flexible, dual-tuner picture-in-picture system with digital memory, allowing two inset picture sizes and all of the usual PIP features. Because the set has two tuners, you can watch two channels at once using PIP. To do this on a set with a single tuner, you have to hook up a VCR and use its tuner for the second picture.

There's also a digital memo button that grabs a still frame of whatever you're watching—it's extremely useful when you have to copy a phone number or recipe from the screen. The memo display button brings you back to the normal viewing mode; pushing memo display again recalls the stored frame.

A channel index feature lets you cover the screen with still frames from 16 channels, or cover the bottom and right side of the screen (in an L-shaped pattern) with stills from eight channels. The set also has all the features commonly found in today's better TVs, like channel lockout, channel labeling, a sleep timer, an on/off timer with three memories, and a memory for seven favorite channels, which lets you access the channels using the menu system rocker control instead of the channel selection rocker.

The KV-27XBR95S offers more inputs and outputs than most people will ever use, including three S-video/video/stereo audio inputs on the rear, a video/stereo audio input on the front, two video/stereo audio outputs (one with S-video) and two auxiliary audio outputs. It also has a loop for connecting a cable box, to avoid the cumbersome splitter/A-B switch arrangement you usually need to use PIP with cable.

The set's universal remote is one of the most versatile we've seen with a TV set. It controls three VCRs, one laserdisc player and a cable box, all of virtually any brand you already own. To set the codes for your equipment, you can use the remote's preprogrammed code sets (codes for major brands are listed in the manual), or use its learn function to teach it specific commands from another remote.

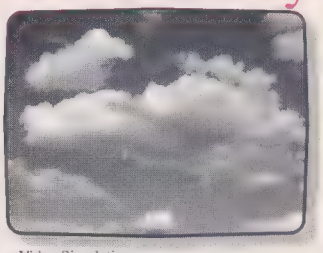
The remote offers dedicated controls for accessing the menu system. One is a menu button, the other is a rocker that also acts as a pushbutton switch. Using these controls, navigating the menu system is a snap. However, there are several submenus, and many choices on some of those, so making a simple adjustment like changing the surround mode often requires a dozen or so button punches.

The big problem we found with the

Copy Any Tape!
All your tapes can look...

Video Simulation

as Clear as Day!



Video Simulation

with **INTELESTAR**

- **Connects easily to any VCR**
- **Durable metal casing**
- **Gold-plated cables**
- **2-Year Long-lasting Battery**
- **Copy Any Tape**

The Intelestar VS-400 defeats copyguard technology to give you crystal-clear copies of your favorite pre-recorded tapes.

ONLY
59.95 plus S & H.

The INTELESTAR VS-400 will allow you to make legitimate copies of pre-recorded cassettes using leading edge technology. In Addition, the INTELESTAR will purify your video signal by removing undesirable, distorted images caused by the copy guard on your pre-recorded tapes. Unauthorized duplication of copyrighted material is prohibited.

Order Now!

800-829-7746

Master Card, Visa, Money Orders. Se Habla Espanol. S&H Extra and non-refundable. We check for stolen credit cards.

Vista International, Inc
1971 E. 5th St., #101 • Tempe, AZ 85281

Circle 11 on Reader Service Card.

menu system concerns picture adjustment. The set offers custom, preset picture modes for standard viewing, movies, sports, news, music videos and videogames. Some people may like using these, but we found the color setting way too high on all of them. If you buy the set, pull the color down immediately and leave it there!

We think it's a better idea to skip factory settings and calibrate TVs with color bars and a blue filter. Of course, you can do that with this set, but if you engage any of the preset picture modes, your settings are lost. We wish Sony had provided a memory (or two or three) for user-preferred settings, as found on most high-end TVs. Also, sound adjustments are spread through three submenus, instead of being grouped entirely on the audio menu, which makes them hard to find.

In summary, this is easily one of the finest TVs we have tested. The set most similar to it is the Panasonic CT-27XF40, which lists for $600 less. We field many questions from readers asking which set we would buy, and still haven't come up with a solid answer. Overall, we prefer the Sony, and if we were stockbrokers or professional basketball players, we'd buy it without hesitation. But if we had to spend our own bucks, some of our editors would opt for the Panasonic or the ProScan. So give all the sets a good look, and be sure to adjust them yourself—don't trust the store to do it. ■

JVC VCR

continued from page 23

audio. Insert is very useful for editing, especially if you want to cut to the beat of music. Just monitor the linear track, start recording and hit pause on the beat. We're surprised, though, that JVC did not include audio dub to the linear track, which would allow replacing the audio without affecting the video.

The Hyper Bass button on the front of the deck boosts the bass of hi-fi audio tracks by about 10 decibels at 20 Hertz. The boost gradually decreases at higher frequencies, dying out completely at about 1 kilohertz. You might find this useful if your TV has speakers with wimpy bass, or if you simply want a little extra rumble once in a while from your home theater system.

The deck features JVC's R.A. (Random Assemble) Edit, which is an edit controller that lets you mark the start and end points of up to eight scenes, then sit back while it automatically edits the selected scenes onto a tape in another VCR. This feature works with other JVC VCRs that have remote pause or R.A. Edit jacks—just connect the two decks with a cable. JVC offers an optional universal remote (model RM-V403U) that plugs into the HR-VP700U's cable box/R.A. Edit jack. It lets you use any infrared remote-controllable VCR as the recorder in an R.A. Edit setup.

We didn't have a chance to try the HR-VP700U with the RM-V403U, but we tried the same setup on JVC's S-VHS HR-S6900 and achieved edits that were from three to 70 frames (2-1/3 seconds) late. That might be okay for a thrown-together vacation video, but it's not good enough for anyone who's serious about editing.

The deck also has what JVC calls a "family message center." This feature lets you leave messages that appear on the TV screen when someone turns on the VCR. You can choose from canned phrases like "Happy Birthday" and phrases you add text to, like "Meet Me

Last year, 10 pro football games went into sudden death. Unfortunately, so did 1,789,347 camcorder batteries.

What agony, missing the thrill of victory because your nickel-cadmium battery unexpectedly ran out.

The cause of this unfortunate event is called "memory." The more you recharge your nicad battery before it's fully drained, the more it "remembers" it's taking less than a full charge, resulting in reduced capacity. So, just when you think it's got plenty of power, it's actually on its last leg.

If you want to be sure you're not cut out of the game, get the NoMEM™ Battery from Lenmar. The original memory free battery. A NoMEM takes a full charge every time, any time. Plus, it's 100% compatible with your current battery charger.

For fresh power you can always count on, ask your Lenmar dealer for NoMEM Batteries. And catch all the action without your battery suddenly calling "time out."

For your nearest Lenmar Battery dealer, and a catalog of our Camcorder Performance Products call: 800/424-2703 ©1994 Lenmar Enterprises, Inc.

LENMAR
CAMCORDER PERFORMANCE PRODUCTS

Circle 12 on Reader Service Card.

JVC HR-VP700U VHS VCR

Price: $600

Weight & Size (h/w/d): 10 lbs., 3-3/4 x 15 x 12-1/4 inches

Tape Speeds: SP, LP (play only), EP

Video Heads: 4

Rapid Search: (locking) 7x SP, 21x EP

Cue & Review Search: variable to 7x SP, 21x EP

Fast Forward/Rewind Time: less than 5 min. for 120-min. tape

Jacks: front—video/stereo audio input; rear—video/stereo audio input and output, RF input and output, A/V CompuLink (remote control command relay from other JVC equipment), cable box/R.A. Edit

Edit Protocol: JVC R.A. Edit

Audio: linear mono, hi-fi AFM stereo

Cable Tuning Range: 113 channels

Timer: 8-event/1-year

Clock/Timer Battery Backup: none

Key Features: flying erase head, VCR Plus with cable box control, jog/shuttle (no reverse jog) on VCR and remote, integral edit controller (multibrand with optional controller), family message center, bass boost, auto head cleaner, video dub

RESULTS

Horizontal Resolution: 240-250 lines

S/N Ratios (dB): unweighted video 44.5 SP, 41.8 EP; weighted video 48.2 SP, 46.5 EP; chroma AM 46.2 SP, 41.4 EP; chroma PM 41.6 SP, 37.8 EP

Audio Frequency Response: hi-fi 20 Hz-20 kHz, +1.1/-1.8 dB; linear 100 Hz-12.5 kHz SP, 100 Hz-5 kHz EP

Hi-Fi Dynamic Range: 87.6 dB

Linear Audio S/N: 43.8 dB

Audio Distortion: hi-fi 0.3%, linear 1.1%

RATINGS

Picture: very good

Audio: very good/excellent

Overall: very good/excellent

At:" or create your own message of up to 20 characters.

The front panel has a full set of controls for the menu system, so you can operate all of the deck's features without the remote control. Unfortunately, this layout is rather unique—with most of today's VCRs, you need the remote control to do anything but play and record. One minor problem with the buttons is that they're designed for looks, rather than function. The buttons are all the same shape, and they're not placed in the kind of logical groupings Samsung used for the VR8903 also reviewed in this issue. Thus, it can be difficult to operate the deck by feel or in dim light.

The picture quality of the HR-VP700U is terrific, about as good as VHS gets. It's smooth, clean and sharp, with little visible noise. Measurements revealed video signal-to-noise ratios that are only a little above average, not as stellar as we expected after witnessing the outstanding picture. However, the chroma AM (color saturation) and chroma PM (color accuracy) measurements were very impressive, and here, visual checks of color-bar and red-field recordings confirmed what the instruments told us. One slight caveat is that the still frame is unusually jittery. But overall, we can't imagine anyone would be disappointed with the HR-VP700U's picture—we rate it excellent.

The sound is also quite good. The hi-fi tracks offer very even response throughout the audio range. The mono linear track falls off below 100 Hz, so you lose a bit of bass response compared to many other top VHS decks, which sometimes offer -3 dB response down to 75 Hz. However, the linear-track frequency response at the other end is unusually high, extending to 12.5 kHz. The HR-VP700U's audio is almost as good as that of the best VHS decks we've tested—we rate it very good to excellent.

Overall, we rate the HR-VP700U very good to excellent. As a home theater deck, the terrific picture and VCR Plus with cable box control make it ideal. As an editing deck, it has a few shortcomings, all of which are due to a few features it lacks, not its performance, which is outstanding. It's certainly one of the most attractive options in top-of-the-line VHS VCRs. ■

SAMSUNG VCR

continued from page 24

box on top of the VCR to make this feature work; depending on how your system is arranged, you might prefer a wired, remote emitter.

If you use a cable box, you should definitely buy a VCR with cable box control. If you don't, the VCR Plus circuitry in the VR8903 will still work fine for you. Be forewarned, though—if your cable channels don't match those in the listings, you'll have to reprogram the VR8903's channel assignments. It's an easy but tedious process.

The deck also has a multibrand remote that controls most brands of cable boxes and TVs; skip search, which quickly advances through one minute of tape every time you push the button (ideal for skipping commercials on tapes of TV shows); an extra set of audio outputs for connecting the VCR to a stereo hi-fi system; and menus in English, French or Spanish. The only common feature it lacks (outside of the ones listed above) is an automatic head cleaner.

Samsung's designers gave the VR8903 a couple of nice touches that make the deck a dream to use. The transport buttons on the front panel are arranged and shaped very logically—the rewind button is an arrow pointing to the left, fast forward is an arrow pointing to the right, play is in between and stop

LASERDISC ENTERPRISES

LARGEST LaserDisc Store In The Universe

- Friendly Service
- Free Shipping*
- Same Day Shipping
- Every Single Title Discounted Every Day
- FedEx 2-Day Service for Only $3.49 Per Disc

1-800-347-1941

2514 Cobb Parkway
Smyrna, GA 30080
Ph 1-404-955-8909
Fx 1-404-984-2173
VISA - MASTERCARD - DISCOVER
C.O.D. - CHECKS
10:00 - 7:00 EST MON - FRI
* CONTINENTAL ONLY - UPS GROUND

Circle 13 on Reader Service Card.

Since 1982

ComputAbility and Panasonic

Consumer Electronics

Broadcast & Television Systems Company

present the 2-hour S-VHS Camcorder and S-VHS Video Hi-Fi Cassette Recorder!

AG-455U

- S-VHS with amorphous video head
- 12X power zoom lens (2-speed)
- Hi-fi audio with stereo zoom mic
- Built-in VITC generator
- Manual white balance set
- Manual iris control
- Digital effect
- Digital gain-up
- Digital zoom (24X or 100X)
- Strobe, still, tracer, wipe, mix
- Low light capability (scene illumination 1 lux)

AG-1970

- Super-VHS and amorphous video heads
- 2 line digital time base corrector for less color interference
- Improved transport system
- Optional AG-A96 editing controller
- Hi-fi stereo sound system with a dynamic range of over 90dB
- Jog and shuttle search (jog and shuttle operations feature a remarkable smooth, quick response form still playback to high-speed search

800-554-9949

Since 1982

ComputAbility

Consumer Electronics

VMG 4-94

800-554-9949

BEST VALUES!

JVC VCR Plus+

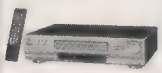
Flying Erase Head 4 Head Hi-Fi

HR-VP700U

- VCR Plus w/ Cable Box Controller
- Jog/Shuttle Control
- Full Load Center Mechanism

LOW PRICE

HR-VP606



4 Head Hi-Fi

Audio Dub

HR-S6900U

FREE S-VHS MOVIE

HI-FI-Equipment & Laser Disc Players

JVC

Cassette Decks	A/V Recivers	CD Players
TD-V661TN	RX-515TN	XL-M509TN
TD-W709TN	RX-715TN	XL-M415TN
TD-W315TN	RX-815TN	XL-Z451TN

SPECIALS
XL-MC100 — 100 Disc CD Changer
XM-01 — Mini Disc/Record-Play

MINI SYSTEMS
MXS4
MXC5
MXC7

NEW '94 Models!

Panasonic

LX-600

Laser Disc Player

PIONEER

LaserKaraoke

THIS MONTH'S SPECIAL

Panasonic

more models available!

Digital A/V Mixer

WJ-AVE5

JVC

FREE CASE

GR-M7Pro

SUPER LOW PRICES!

Image Stabilization Camcorders

Canon

Hi8 UCS5

ABSORBER

JVC S-VHS

GR-AX75U

20:1 Digital Zoom

SAMBICO

BATTERIES

VO825	SONY 90 min
VO9816	PANASONIC/JVC-VHS-C
VO829	PANASONIC full size
VO907	SONY charge/discharge

AZDEN

MICROPHONE

WMS-PRO	2mic system
WHX-PRO	hand held
VE-100	8mm rewinder

Canon

F520	NEW LOW PRICE!
UCS3	digital special effects
UCS5	NEW! NEW! NEW!
A1 digital	digital special effects
L2	NEW! NEW! NEW!

JVC

CAMCORDERS (*free case)

GR-AX35U*	editing feature
GR-AX55U*	built in light
GR-AX75U*	image stabilization
GR-M7PRO*	11X zoom
GR-SZIU*	super VHS-C

VCR's

HR-J600U	4 head HI-FI
HR-VP604	jog/shuttle
HR-VP606	VCR Plus
HR-VP700	top of the line!
HR-S4900U	NEW! NEW! NEW!
HR-S6900U	audio dub

LENMAR

NOMEM™ BATTERY — *Fully Sony Comaptible*

Panasonic

CAMCORDERS C-FORMAT

PV-IQ203	10:1 zoom
PV-IQ303	light and remote
PV-IQ403	color viewfinder
PV-IQ503	4 HD stereo
PV-43	image stable
PV-53	color viewfinder
PV-S63	super VHS
PV-S372	super VHS

FULL SIZE

PV-S770	super VHS

TV/VCR COMBO

PV-M1323	13" Combo
PV-M2043	20" Combo
PV-M2053	20" HI-FI Combo

ACCESSORIES

WJAVE5	A/V Mixer
WJAVE7	NEW
WJTTL5	Titler

VCR's

PV-4311	4 Head
PV-4314	VCR Plus
PV-4351	4 Head HI-FI
PV-4361	HI-FI VCR Plus
PV-4362	shuttle control
PV-S4366	super VHS
PV-S4380	built in TBC

LASER DISC PLAYERS

LX-101	CALL
LX-600	CALL
LX-900	CALL

RICOH

CAMCORDERS

R-18H	same as TR-101

TOSHIBA

VCR's

M-649	4 head HI-FI
M-659	VCR Plus C 3
M-759	jog/shuttle

AUTHORIZED DEALER

VIDEONICS
MINOLTA
Canon JVC
SONY
PHILIPS RICOH
TOSHIBA
Panasonic

AUDIO SONY PHONES

CFD-445 W/ CD Player

CD BOOM BOXES

CFD-445 • CFD-580
CFD-560 • CFD-758
CFD-570 • CFD-768

DISCMAN	WALKMAN
D-220	WM-FX24
D-421SP	WM-FX45
D-802K	WM-SXF53

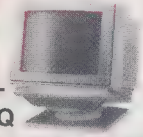
SPP-77 10 channel transmission
SPP-D15 2 line operation
SPP-160 dual rechargeable battery packs
SPP-A60 w/ answ. machine
SPP-95 speaker phone

SONY

Business and Professional Group

13"

GVM-1311Q



Panasonic

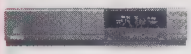
TV / VCR Combo

PV-M 1323 - 13" 2 head
PV-M 2043 - 20" 4 head
PV-M 2053 - 20" 4head/Hi-Fi

MULTIMEDIA & INTERACTIVE VIDEO

PHILIPS

"Interactive Video"



CDI

as seen on TV!

SEGA JVC

Compatible

X'EYE

3DO SOFTWARE

John Madden Football™	$49.95
Space Shuttle	$44.95
Aces of Europe	$52.95
Dragons Lair	$49.95
Lemmings	$49.95
Mad Dog McCree	$52.95
Super Wing Commander	$51.95
Total Eclipse	$51.95

and MORE!

Call for availability!

PIONEER LaserActive

ONE MACHINE. INFINITE POSSIBILITIES.

Interactive Entertainment

PROFESSIONAL & DESKTOP VIDEO

Panasonic

INDUSTRIAL CAMCORDERS

AG-455	12X zoom
AG-3	3 chip/SVHS
AG-186	$799

EDITING DECKS

AG-1970	w/ 2 line TBC
AG-7650H	player only
AG-7750H	player/recorder
AGA96	controller
AGF700	time code generator

MONITORS

CT-1384V	13" video monitor
CT-1384VY	13" w/ tuner
2083Y	20" video monitor
2083VY	20" w/ tuner
BT-H1350Y	multi standard

A/V MIXERS

WJ-MX30	digital field synch
WJ-MX50	digital frame synch.

SONY Authorized Dealer

EDITING DECKS

EVO-9500	HI8 record/play
EVO-9720	HI8 dual deck
SVO-9600	SVHS VCR
SVP-9000	SVHS play only

LASER DISC PLAYERS

MDP-1150	laser bar code

MONITORS

GVM 1311Q	NTSC/PAL/RGB
GVM 2020	20" Multi scan

FutureVideo

A/B ROLL EDIT CONTROL SYSTEM

•EDIT LINK 3300
Desktop inter-format A/B Roll edit controller with RS-232C port, 3 programmable GPI triggers. Reads Hi8 RC time.

•EDIT LINK 3300/TC
Similar to 3300, also reads SMPTE time code.

PRO MARK II - Automatic Inter Format

SONY

V Deck

- Provides VISCA compatibility
- Records or dubs (RC) time code
- Can record PCM digital audio
- Available in Hi-8 and 8mm

V Box

- Provides the key to integrating video cameras, recorders, and display devices into the personal computer environment

IMAGE PROCESSING SYSTEMS

SONY	COMPUTER	CAPUTRE BOARD	SOFTWARE	CONTROLLER	CAMERA
EVO-9650	MS-DOS	OpalVision	Playmation	Diaquest	DXC-107
EVO-9720	Amiga	Video Toaster	Brilliance	BCD	DXC-930
EVO-9800					
EVO-9850					

*CALL FOR CUSTOM CONFIGURATIONS

Since 1982

- One of Wisconsin's Top 10 Women Owned Businesses
- Corporate, Government & School POs Welcome
- Tech: (414) 357-8181

VISA MasterCard

- No extra charge for delivery
- No extra charge for insurance
- No surcharge for credit cards

Hours (CST): Weekdays 8am - 8pm, Saturday 9am - 5pm • Fax (414) 357-7814 • P.O. Box 17882 • Milwaukee, Wisconsin 53217

Circle 14 on Reader Service Card.

#1 BATTERY SPECIALISTS

BATTERIES...

SONY 1600mah.....27.97
PAN new VHS-C.....27.97
CANON new 8mm....27.97
RCA/HITACHI/MIN....27.97
PAN BP80/88.....39.97

There is no camcorder battery we do not have, or cannot get! From No-Memory batteries, to extended play...call the Specialists!

all fully guaranteed!!

...AND MORE!

Lenses and Lights.....CALL!
Cellular Telephone Accessories..CALL!
Computer and Laptop Batteries..CALL!
Chargers, Battery Belts, Car Cords,

1-800-ASK-BTRY
1-800-275-2879

IN NYC OR OUTSIDE THE US (212)768-7595
#1 BATTERY SPECIALISTS
74 W. 38th ST. 2nd Floor
New York, NY 10018 FAX (212) 768-9530
Returns within 30 days in new condition. Shipping, insurance, return shipping are not refundable. Above brand names are copyrighted. Prices subject to change.

is below. This is more-or-less the standard VCR control layout, and we wish all manufacturers would use it. The shapes and positions of the buttons make the deck easy to use even in dim light.

Likewise, the VR8903's remote adopts the convenient transport control layout now used on many other decks: The transport controls are in a circle, with an indent in the center to make it easy for your thumb to find the right button. And on both the remote and the deck, there's a full set of transport controls *plus* a jog/shuttle. We like this because we've never gotten used to using the jog/shuttle to activate fast forward and rewind, as one has to do with the JVC HR-VP700 reviewed on page 23.

The video performance of the VR8903 is most unusual in that the unweighted video signal-to-noise ratios are identical at all three speeds. This is the first time we've seen this phenomenon. The weighted video S/N, which puts less emphasis on noise the eye is less likely to perceive, is almost as well matched, varying by only 0.5 decibel. Performance in the color measurements—chroma AM and PM S/N—varies more, but is still pretty close.

Despite the good measurements, however, the picture looks grainy, without the smooth quality we noticed in JVC's HR-VP700. Also, the color noise is a bit higher than we would like. Solid-color areas tend to vary a bit in intensity and hue, although not to a greater degree than with most VHS decks. All told, we rate picture quality good to very good, in the middle range of VHS decks. Videophiles who demand the ultimate in picture quality will want to look elsewhere, but timeshifting enthusiasts who do a lot of EP recording may find the VR8903's exceptional performance at the EP speed enticing.

Nothing too far out of the ordinary to report in the way of audio. The measurements indicated a good to very good rating, mainly because the response of the hi-fi tracks is down 4 dB at 20 Hertz. However, this is really academic, because it's not a drastic roll-off, and the only speakers that have usable response at 20 Hz are *extremely* expensive full-range speakers (like Thiel's $10,000 CS5s) and very good subwoofers.

Overall, the VR8903 deserves a good to very good rating. Those who value user-friendliness and/or good-quality EP recording will enjoy it. ■

Circle 15 on Reader Service Card.

ORDER BY MARCH 31 AVOID INCREASE PRICE

Model Six speakers are available in three finishes.

$849
Factory-direct price for complete system. Not available in stores.*

Dolby Pro Logic Surround Sound Price Breakthrough!

Our lowest price *ever* on a high-performance Dolby Surround Pro Logic home theater sound system.

We don't know of *any* Pro Logic system of this quality near this price. Hook it up to your TV and stereo VCR to create a home theater.

This system uses our new Model Six loudspeaker by Henry Kloss as the main speakers. *Stereo Review* magazine says "Model Six is truly a high quality speaker...it has an 'all there' quality that belies its amazingly low price...an exceptional value."

Center and surround speakers are our Model Ten-A. The Sony receiver includes Dolby Surround Pro Logic, 5 channels (50/50/10/10/10 watts/ch.) and a system remote. The Sony CD player sounds great.

We believe this to be the country's best value in a home theater sound system. It's backed by our 30-day Total Satisfaction guarantee.

FREE AUDIO CATALOG
Components by Pioneer, Sony, Philips, Denon, Cambridge SoundWorks and others.
1-800-FOR-HIFI

CAMBRIDGE SOUNDWORKS
Suite 130, 154 California Street
Newton, MA 02158 Fax 617-332-9229
* Not including shipping. Dolby is a trademark of Dolby Labs.

TECH TIPS

Wrap it up

While reading your article "Dews and Don'ts for Shooting in the Tropics" ("Camcorner," Dec. '93), I realized I had the same problem in Hong Kong and Bali. What worked for me was this: After shooting all day in the city and beach area, as soon as I came back to the hotel I wrapped the camcorder in a heavy towel to keep the outside air in and the air-conditioned air out. Then I stored it in the closet to keep the cold hotel air from blowing on the package. I just used this same method in Australia and it worked perfectly.

Robert Raiff
Kenmore, New York

Contact cleaning

Avoid denatured alcohols for cleaning contacts. The denaturing is just an additive to make the product taste bad so it won't be consumed, but the additive can leave a film on surfaces. Try brake cleaner when you need super clean metal surfaces. But test it first since it may be unfriendly to some plastics and finishes, and keep it away from open flames!

K.C. Van Winkle
Rancho San Diego, California

HOME THEATER

continued from page 16

plifiers inside its chassis, and the cool thing is you can configure these six channels to suit your needs. For example, you can have six 30-watt channels of amplification; bridge each stereo pair together, and you have three 90-watt channels; bridge only two channels together, and you have one 90-watt amp and four 30s; and and and and....

It's this kind of flexibility, backed by NAD's reputation for audiophile-grade sound at real-world prices, that makes the 906 such a cool little amp for those who don't need he-man sound pressure levels—like those of you who watch nothing farther out than those wimpy British tea'n'crumpets garden party snooze-fests like *Howard's End* and *Room With A View* (a view to *hell*, in my book).

For those of us who *do* need he-man levels, there's no better multichannel amp than the mighty Acurus 200X3. Basically one and a half of Acurus' popular A250 stereo amp, the 200X3 packs three channels of 200-watt power into a chassis no larger than most regular stereo amplifiers.

Why three channels instead of six? Say you've got a surround receiver with line outputs—you could send the line outputs for left, right and center channels to the Acurus for the best possible sound, and use the receiver's own amps to drive the surround speakers, which usually need far less power than the Acurus delivers. Or, of course, you can use two 200X3s for six channels of 200-watt sound—and you'll be all ready and set to handle Dolby's new 5.1-channel digital sound format, Dolby Surround Digital, when it comes to market in early '95.

Upgrading to one of these high-quality, multichannel amps is one of the biggest improvements you can make to your home theater. Take a page out of the audiophile book and try driving your surround speaker system with separate amps—you may be surprised to hear all the cool stuff you've been missing. ■

CAMCORNER

continued from page 18

of video dubbing.

The more common audio dub feature will not get you very far with music videos. Attempts to piece together a song with snippets of sound will result in jerky, poorly timed transitions in which the musical beat will be lost, unless your equipment can edit with perfect frame accuracy.

Video dubbing only works with the linear audio track. The higher quality hi-fi audio tracks get erased and re-recorded whenever you record new video. Unfortunately, most consumer camcorders have monaural linear track audio, although a few older portable VCRs and many industrial models offer stereo linear audio. To convert a stereo audio signal to mono, use a small mixer or the mono button on a home stereo receiver. Do not use a Y-connector to combine signals, as it will create distortion. Always use the faster SP speed—not the budget EP (SLP) speed—because it produces vastly better linear-track audio recordings.

What if the band you're recording doesn't already have a professionally mixed demo tape? Your best bet is to rent them six hours of time at a small eight-track studio facility, for about $25 an hour, and have them make a demo tape. If you must record live sound, rather than work from a recording, you'll need a professional mixing console and at least four or five microphones.

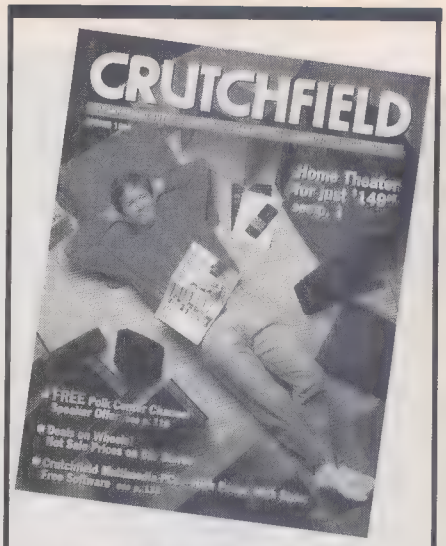
In a concert hall or a night club, take a feed from the house mixing console, rather than doing the mixing yourself. Attempting to record music using the camcorder's microphone will usually result in very muddy, garbled recordings, because of the zillions of echoes and reverberations created by the walls of the room you're recording in. That's why professionals record music using microphones located very close to each instrument and vocalist. Recording and mixing live music is a difficult, demanding art form unto itself, requiring a separate person's skill and attention. When making a music video, the more you can concentrate on the video, and not have to worry about the sound, the better your finished production will be. ■

TECH TIP

Infrared diagnostics

Drop your remote control on the floor? Are the batteries dead? Is it working? Don't look in the tiny transmitter window—humans can't see infrared light. Here's an easy yes/no infrared remote test: Point the remote toward the lens of your camcorder and look through the viewfinder. CCD cameras are sensitive to infrared and the camera can see the light being emitted from the remote control unit.

Jerry Crock
RVTC Productions
Mt. Holly, New Jersey



FREE
AUDIO/VIDEO
CATALOG

You'll find the components and the information you're looking for in the Crutchfield catalog.

- Hundreds of the latest audio, video and home theater components
- Sony, Kenwood, Pioneer, Carver, Bose, Advent, Infinity and more
- Exclusive comparison charts
- Low, discount prices
- Computers and car stereo, too
- Over 140 pages! Get yours on its way to you today

Call Now!
1-800-955-9009
or mail this coupon

Name
Address Apt. #
City
State Zip

CRUTCHFIELD®
1 Crutchfield Park, Dept. FI, Charlottesville, VA 22906

Circle 16 on Reader Service Card.

ON TRIAL

Has Lucasfilm set the wrong sonic standards? THX and non-THX speakers testify.

BY BRENT BUTTERWORTH

Movie Magic: THX speakers like M&K's subwoofer and front satellite work wonders for movie sound.

If January's Consumer Electronics Show was any indication, home theater may soon make its way onto *Hard Copy*. As the field matures, and splits into differing camps of opinion, a heated controversy has emerged in which all sides seem absolutely convinced they're right. For reviewers, who have access to a variety of gear at no cost, these are exciting times. But for consumers who can't afford to make mistakes when buying equipment, the controversies are confusing and maddening.

For the moment, most of home theater's war of words is being argued in the court of audio. The defendant: Lucasfilm, the company that positions its THX licensing program as the answer to home entertainment's problems. The plaintiffs: manufacturers and audiophiles who charge that Lucasfilm's THX standards limit speakers to mediocre performance, especially for music.

On the surface, both sides make ■

pretty good case. Both will happily produce reams of technical data to support their stands, and both have conducted convincing demonstrations of their products and philosophies. But which approach is best for the average home theater enthusiast? The only way to find out is to listen.

And listen is what we've done. Over the past several months, our jury of *Video Magazine* staffers has collected a variety of THX and non-THX speaker systems, and listened to them with a wide variety of material: music from Bach organ sonatas to Kiss' *Double Platinum*, and movies from *Witness for the Prosecution* to *Demolition Man*. By the time the gavel fell—after countless hours of serious listening and deliberation—we came to a verdict we think will help you pick out a speaker system you'll enjoy for years to come.

THE FACTS OF THE CASE

We started with THX speaker systems from B&W, M&K and JBL. Each includes three matched front speakers designed for narrow vertical dispersion and wide horizontal dispersion—sound travels from them in a horizontal, fan-shaped pattern, rather than a cone-shaped pattern. This minimizes sound reflections from the floor and the ceiling, the intent to make dialog more intelligible.

The JBL and M&K front speakers each use two tweeters flanked by two woofers, all lined up vertically. The B&Ws have the same configuration, but use three tweeters. All three speakers—left, center and right—must be positioned straight up.

THX systems use two dipolar surround speakers. These are somewhat like two speakers facing opposite directions, glued together at the back and wired out of phase. Lucasfilm's intention is that no sound reaches the listener directly from the surround speaker; instead, it's all reflected from the walls and the ceiling. According to Lucasfilm, this creates a more natural, enveloping surround effect.

Lucasfilm specifies two subwoofers for each THX system. JBL and B&W use traditional, front-firing passive designs (you provide the amp). M&K uses an unusual, 400-watt powered design with one front-firing driver and a second that fires into the cabinet. Sound coming from the *back* of the second driver actually radiates into the room.

The complete systems cost $3,000 for the JBL, $7,000 for the B&W and $8,690 for the M&K.

To judge the effect Lucasfilm's specs have on speaker design, we also borrowed non-THX systems from M&K and B&W. The M&K system uses the same THX subwoofers and surround speakers, but substitutes S-90 speakers for the front three channels. The $795/pair S-90s are designed for situations where M&K's THX speakers are too large or expensive. They use single woofers and tweeters—the same drivers as in the THX speakers—and are less than half the height and half the cost.

Music Masters: B&W's Matrix 803s (below right) and Mirage's MC-si (right) and M-5sis (below left) sound great with any type of music.

The B&W non-THX system we chose consists of two $3,000/pair Matrix 803 Series 2 speakers for left and right channels and an $800 Matrix 805 for the center. (At CES, B&W showed a flatter version of the 805 intended for center-channel use). We used B&W's THX surrounds with these, because B&W doesn't make a dedicated surround speaker.

We also tried two non-THX systems made by Audio Products International, one under the Mirage brand, the other an Energy system. The Energy RVS1 front speakers ($700/pair) each use two woofers flanking a tweeter; the $350 RVS2 center speaker appears to be identical, but with cosmetics slightly altered for horizontal use.

The system came with two AS-180 front-firing powered subwoofers ($750 each) and two $550/pair RVSS surrounds. The RVSSs are similar to a THX surround speaker, except that their halves operate out of phase above 400 Hertz, and in phase below 400 Hz. API says this prevents the bass cancellation that occurs with dipolar speakers.

The Mirage system we tried is based on two $1,800/pair M-5si bipolar speakers for left and right (see our "Home Theater" column, Nov.'93), a $500 MC-si center speaker and the two Energy surrounds, which API will probably also market under the Mirage brand. Bipolar speakers are similar to dipolar speakers, except that both halves operate in phase.

A few particulars on our trial procedures: We conducted most of our listening in our 5,500-cubic-foot, acoustically treated home theater room, with laserdiscs and CDs played in a Pioneer CLD-97 combi player. Our sur-

round processors were THX-approved models from Lexicon and Audio Design Associates (ADA); our amps were THX models from ADA and Marantz. We placed each center speaker atop a Panasonic PT-50WXF5 rear-projection TV.

For movie listening, we calibrated all the systems to THX standards, so that a pink noise signal 20 decibels below maximum level read 85 dB on our sound pressure level meter. (This is the same level used to mix movie soundtracks, and is thus the correct level for playback.) When we used music for direct comparisons between speakers, we settled on a level 3 dB lower. Finally, we wired with Monster THX speaker cables and interconnects, which use a new color-coding scheme created just for home theater. These made our frequent system reconfigurations much easier.

AUDIBLE EVIDENCE

As you'd expect, the speakers we listened to sounded *very* different. At these prices, sounding *bad* would be a major offense—of which, fortunately, none of the speakers were guilty. Our jury thought all the speakers sounded pretty good, but that all had strengths and weaknesses. We'll separate these into eight areas: imaging, neutrality, ambience, voice intelligibility, timbre-matching, surround soundfield, subwoofers and cosmetics.

• *Imaging and soundstaging.* The big, colossal, overwhelming differences between these speakers are in imaging and soundstaging. Imaging is the sonic illusion of real instruments being played in front of you; soundstaging is the left-to-right, back-to-front placement of those instruments between, behind, to the sides of and sometimes in front of the speakers. The two very often go hand-in-hand—speakers that image well often throw pretty convincing soundstages, the differences in soundstaging then boiling down to dimensions.

To put it plain and simple, THX speakers don't offer much in the way of

Power Struggle: Four THX Amps Vs. A Non-THX Contender

BY BRENT BUTTERWORTH

Although Lucasfilm's THX speakers foster heated debate, the company's amplifier specifications have caused hardly a stir. That's because the specs (which include standards for power delivery, headroom, distortion and other performance parameters) don't seem to demand drastic changes in design.

We recently tried four THX amps: Marantz's $299 MA-500 mono amp, Kenwood's $899 KM-X1 six-channel amp, and Audio Design Associates' $6,195 MPA-500 five-channel amp and $2,095 BPA-500 subwoofer amp. Then we compared them to a popular non-THX amp, Rotel's RBX-980BX.

In audio circles, there are two amp camps. One says there are significant sonic differences between amplifiers; the other says there aren't. We fall in the former camp, although we'll admit you won't find us spending $8,000 for a stereo amp. There are slight tonal differences in amps, but we feel they're less important than the sense of ease you get with a powerful amp that has a robust power supply (many inexpensive amps, in our opinion, do not).

Cynics will sneer at ADA's $6,195 amp, but one listen will turn their sneers into smiles—this has got to be the best five-channel amp made. The MPA-500 incorporates two chassis, one for the power supply, one for the five 250-watt amps. The massive cable that connects the two looks like it came off a turbine at Hoover Dam. Jumbo level meters on the amp's front give it a powerful look I loved, but our other staffers said they'd put electrical tape over them.

The MPA-500's sound is wonderfully clear, clean and detailed, never strained. That comes as no surprise—a Lucasfilm rep told me that the ADA amp *can't* clip, because household wall current is limited to 20 amperes, and the MPA-500 needs more than that to reach its power ceiling. The subwoofer amp offers a similarly slamming level of performance, but I wish ADA had put two sets of binding posts on it instead of one. Of course, the total system price of $8,290 is more than most people will ever be able to afford for an amp, but hey, if I win the lottery, one of my first calls will be to ADA.

Tower of Power: From top, two Marantz MA-500s, Rotel's RBX-980BX, Kenwood's KM-X1 and ADA's MPA-500 amp and power supply.

You'll need at least five of Marantz's 100-watt MA-500s for a home theater, plus one or two more if you use subwoofers. (You can also connect two together to double the power.) The mono design means you don't waste money on unused channels—most THX systems use seven channels of amplification, and with stereo amps you get either six or eight.

Unfortunately, it also means you have five to seven amps to turn on and off. The MA-500s have a circuit that turns them on automatically, but it only works with Marantz's AV-500 surround processor. Despite the extra buttons to push, we've come to love the MA-500s as affordably priced, capable home theater amps. They don't deliver the ultimate sound quality and power of the ADA amp, but they're a superb choice for any real-world home theater system.

Kenwood's KM-X1 is more-or-less intended for use with its KC-X1 THX

continued on page 88

Controversial Characters: Four participants in our THX vs. non-THX trial—top left, JBL's HT series THX front speakers and subwoofer; top center, Energy's RVS1 main speaker (vertical, with grille off) and RVS2 center speaker (horizontal); top right, M&K's S-90; and above, B&W's complete THX system.

imaging or soundstaging. Anti-THX types say this is because of the speakers' limited vertical dispersion. Lucasfilm counters that electrostatic speakers—many of which have won raves from audiophiles—share this dispersion pattern.

Whichever side you believe, the fact remains that for stereo music listening, all of the THX speakers we tried paled in comparison with the B&W 803s and the Mirage M-5sis. "No THX system gives you the depth that many good, inexpensive music speakers give you," one listener on our jury remarked. (Indeed, as I write this article, I'm listening to NHT's $230/pair Super Zeros create sonic images much more convincing than any of the THX speakers we tried.)

• *Neutrality.* The THX speakers score big here—all sound more neutral than the non-THX speakers. Here, the B&W THX system is champ—these are probably the most uncolored-sounding speakers we've tried. Voices are full and smooth without sounding chesty or overly resonant, and instruments suffer no noteworthy colorations anywhere in the audio band. But without imaging, some of the realism is lost. As one listener put it, "It sounds great, but it's like a big blob of sound."

The JBLs also turned in a good performance in this area, with the M&K THX system coming in behind due to a slight harshness in the highs. All of the music speakers produced noticeable colorations in the sound, emphasizing some ranges (especially the treble) and de-emphasizing others. But subjectively, such colorations sometimes create a more enjoyable sound. As you'd expect, the more affordable Energy speakers were less neutral than the B&W and Mirage non-THX models—good-sounding, but a bit bright for our taste, although not to a level we found unpleasant or fatiguing.

In the high-end audio world, there are those who value neutrality above all else and care little about imaging, and those who'll sacrifice a little neutrality for better imaging. (Ideally, a speaker sacrifices neither, but such speakers are rare and usually *very* pricey.) Whichever camp you fall into is okay, but we fall into the second.

• *Ambience.* With their severely limited vertical dispersion, THX speakers fall flat in this area. This gives them a sound diametrically opposed to that of the Mirage bipolar speakers, which create a big, ambient, "airy" sound. Some audiophiles deride the bipolar sound as artificial, and we can't argue on that point. But we *enjoy* the artifice! The Energy and B&W 803/805 systems also score well here. The M&K S-90s, however, produce only a bit more ambience than the THX speakers we tried.

Ambience adds a lot to both music and movies. Obviously, it makes music recordings sound more like live performances in real spaces. It does the same thing for the music in movie soundtracks, and for foley effects. For example, in *Indiana Jones and the Last Crusade*, when Indy and his dad are running through the zeppelin to board the biplane, the footsteps on the metal catwalk sound more realistic through, say, the B&W 803/805 system than through the THX systems. This is the one area in which non-THX speakers have an advantage for movie sound.

• *Voice intelligibility.* THX gets the nod here—all of the systems did a good job. However, it's not like voices are *unintelligible* with other systems. In particu-

continued on page 70

VEGAS VICTORY PARTY

Multimedia, home theater, digital surround energize a buoyant CES

Like a blast from the past, the Consumer Electronics Show returned to Las Vegas in January with record-breaking numbers and a bounty of new technology and products. Recent shows have seemed as muted as the economy, but this time business was brisk, cab lines were long and product previews were impressive. More than 92,000 visitors trawled for products and deals across more than a million square feet of exhibition space as CES overflowed the city Convention Center into a score of major hotels, with many companies displaying in private suites away from the show floor.

Computers led the way, powering a broad array of innovative multimedia applications. New home theater components and technologies like Dolby Surround Digital were also big draws, as were RCA's direct broadcast satellite system, and a few new TVs and VCR enhancements. New camcorders were scarce, but interesting editing peripherals and video gadgets were plentiful.

Celebrity Central: Steven Spielberg (far left) tries a camcorder at Panasonic's exhibit. Elsewhere at CES, rocker Alice Cooper, music producer Shepp Gordon and actor Michael Douglas (left) compare notes.

INTERACTIVE FRONTIER

In his CES keynote address, Robert Kavner, AT&T's CEO for multimedia products, predicted a near-future filled with sleek interactive services, easily accessed through "intelligent terminals" in American homes. Though no one is sure what forms multimedia will eventually take, the show's great variety of interactive exhibits made Kavner

This story was written by Jim Barry, Lancelot Braithwaite, Brent Butterworth, Kenneth Korman and Stan Pinkwas.

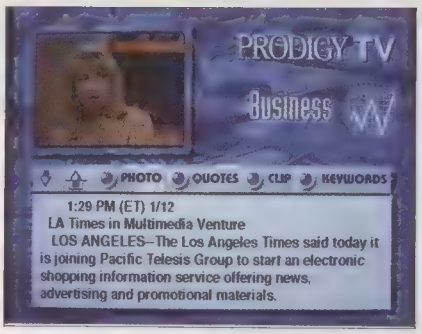
look very smart indeed. For the first time in CES history, interactive multimedia stole the spotlight from traditional audio/video products.

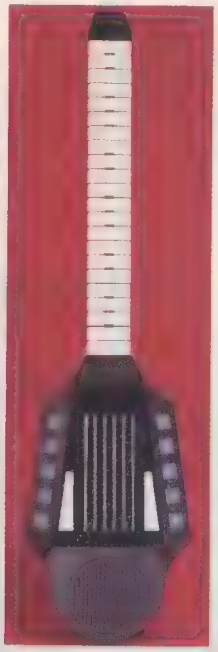
The 3DO and CD-I systems each had a major presence. Trip Hawkins, 3DO president, again promised a banner year for the fledgling format. He announced three companies would join Panasonic in manufacturing 3DO hardware this year, including Sanyo and AT&T, and projected that 100 new 3DO titles would ship this year. An MPEG full-motion video cartridge for 3DO, compatible with a new White Book standard for Video CD, should be available by summer, to be followed by major video titles on five-inch 3DO discs.

Philips announced a new CD-I player with a five-disc changer, due later this year, and two new controllers, a $29.95 touchpad and a sleek infrared remote, both designed to help CD-I compete as a gaming system. Philips also let dealers preview plans for a $299 CD-I player intended to look more like a game machine than an A/V component. Goldstar and Samsung announced the first CD-I players not made by Philips.

The company previewed several new multimedia titles incorporating full-motion MPEG video, including *Bob Marley: Every Song's A Sign*, a bio disc with vintage video clips, and the comprehensive *Titanic*, the first disc we've seen to work both with and without a video adapter. Both CD-I and 3DO seem to have decided that the multimedia battle will be won or lost in the software arena, and emphasized their unique titles accordingly. Philips also announced a deal with MGM/UA to digitize 30 films for release as full-motion CD-I videos in '94. The titles will probably include such MGM classics as *The Wizard of Oz* and the James Bond films.

Technics, Sanyo, Samsung, GoldStar and newcomer Virtual Video showed prototype Video CD players that could handle these and other CD movies. Although Video CD players were generally downplayed, GoldStar said its model will definitely appear in the U.S. this year, and Samsung said its player probably will appear. ▶



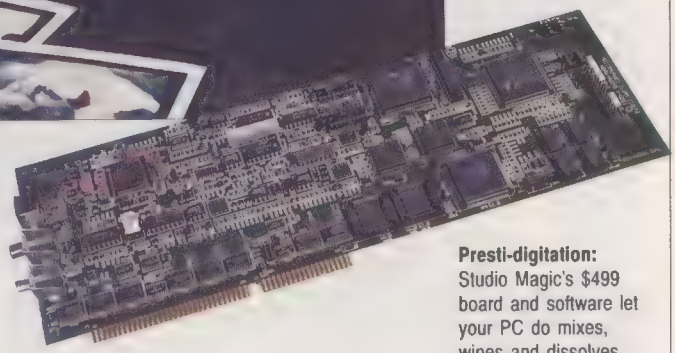


Mixed Media: Dual-deck 8mm/VHS VCR by GoldStar (top left), the view on Prodigy's prototype for an interactive cable TV system (far left), and The Key by Lonestar (left), a guitar-like instrument that comes with a coded videotape to simplify playing.

Genesis Anew: Genesis CDX, Sega's compact, portable new game machine plays Sega cartidges and CDs as well as audio CDs. It's priced at $399.

The Wide Ones: Toshiba's first widescreen TV (left) is a 56-inch rear-projection console that includes two tuners, Dolby Pro-Logic decoding and a pair of rear speakers. Sharp and Proton also take the widescreen plunge this year with direct-view models.

Snaps and Zaps: The VideoSnap by Sansui (left) produces Polaroid prints of screen shots from standard video sources, while Arista's Commercial Brake (above) lets your VCR record TV shows with the ads masked out.



Presti-digitation: Studio Magic's $499 board and software let your PC do mixes, wipes and dissolves.

The show's Multimedia Pavillion featured a vast array of CD-ROM software. Microsoft exhibited at CES for the first time, and displayed multimedia discs like its *Cinemania* movie guide and *Encarta* encylopedia. Compton's New Media previewed several new titles, including an MPEG-encoded version of its *Multimedia Encyclopedia* with full-screen video segments. (You'll need a $400 MPEG board for your PC to run it.)

Throughout CES, major media companies sought to bring already successful programs into the multimedia realm. Paramount Interactive privately showed *Star Trek: The Next Generation* CD-ROMs, while Viacom New Media previewed next fall's *Beavis and Butt-head* Super Nintendo cartridge.

Commodore debuted its $399 Amiga CD32, another CD-ROM-based multimedia/game machine. Already a smash in Europe where Commodore says it sold 100,000 units in three months, the CD32 features a 32-bit processor and a double-speed drive. Commodore's software, culled from about 80 titles already released overseas, looked very impressive. Like other new CD-ROM-based machines, the CD32 will accept an MPEG adapter for full-motion video.

Sega, which now owns more than half the lucrative game market, showed a $399 portable version of its Genesis game system that will soon have kids in a major uproar. The compact Genesis CDX plays Genesis cartridges, Sega CD titles and standard audio CDs, just about everything a teenager needs to lead a happy '90s existence. Sega also hinted at the future with mentions of Sega Saturn, a 64-bit CD system it will introduce in Japan this fall. Look for it here in '95. Atari displayed Jaguar, a 64-bit cartridge game system it claims can outperform 3DO.

Some multimedia products took completely unfamiliar forms. AT&T showed Edge-16, a specialized modem device that will allow two people in different locales to play Sega Genesis games together in real time via standard phone lines.

Prodigy showed a prototype for an elegant cable TV system that will offer access to interactive services along with traditional TV programs.

One of the hottest sources of multimedia excitement was Lonestar Technologies' The Key, an extraordinary guitar-shaped instrument that can instantly turn anyone into a practicing musician. Specially encoded videocassettes feed digital data to The Key, enabling first-time musicians to accompany their favorite videos without hitting bum notes. Others features allow advanced musicians greater leeway while playing along or creating original music. (Look for a hands-on test in *Video Magazine* as soon as The Key is available.)

HOME THEATER AUDIO

Get ready for a revolution in home theater sound. It's called Dolby Surround Digital, and it was the talk of nearly every audio nut at CES. Dolby Surround Digital used Dolby's 5.1-channel AC-3 digital encoding format to provide separate signals for left, center, right, left surround and right surround speakers as well as a subwoofer (that's what the "1" stands for). In audio jargon, it's simply called "5.1."

Pioneer demonstrated AC-3 sound recorded on one of the FM analog soundtracks of a laserdisc. This required using a modified laserdisc player to extract the digital signal, which was fed into a prototype AC-3 decoder. The impressive demo included clips from movies like *Bram Stoker's Dracula* and *The Fugitive*. The stereo surround channels are what makes the difference—today's Dolby Pro-Logic surround sound systems produce only a mono surround signal. Denon also demonstrated AC-3, played from a computer hard drive through Zoran's new AC-3 decoding chip.

Dolby Surround Digital for the home may be available later this year or, more likely, next. Consumers will probably have to invest in one of a new breed of laserdisc player with digital output

from one analog soundtrack, as well as a new surround decoder. (All Dolby Surround Digital decoders will also do Pro-Logic decoding, so you won't have to replace your entire laserdisc collection) The system could use S-VHS VCRs with digital audio, but these are not available in the U.S. The bottom line for consumers: Great sound, major cash outlay.

Lucasfilm got in on the 5.1 act with the show's most compelling demo. It used an ADAT deck (a digital multitrack audio recorder) slaved via SMPTE time code to a Betacam VCR, playing through a B&W THX speaker system. (The setup was intended only to simulate AC-3, not as a practical home system.) Program material included music recorded live with a separate mic for each channel. We've often criticized the sound of THX systems for stereo music, but in this application the sound was as lifelike as the best stereo recordings and sound systems, maybe more so.

The scene from *Jurassic Park* in which a herd of running dinosaurs overruns Sam Elliot and the two kids confirmed our impressions. Halfway through, Lucasfilm faded the picture to black, but kept the sound running, and the effect was overwhelming.

The demo by Brad Miller of Mobile Fidelity really brought the point home. Miller played digital four-channel recordings made with his own quad microphone. Most were environmental—tree limbs breaking under the weight of ice, a passing train, a Space Shuttle launch. In every case, the "you are there" effect was chilling: Close your eyes and you'd almost believe you were in the middle of a forest. Miller's point is that by using natural miking, instead of the el-fake-o panning techniques film mixers rely on, digital surround sound can achieve unprecedented realism. The bottom line for the audio industry: Stereo is dead, long live 5.1.

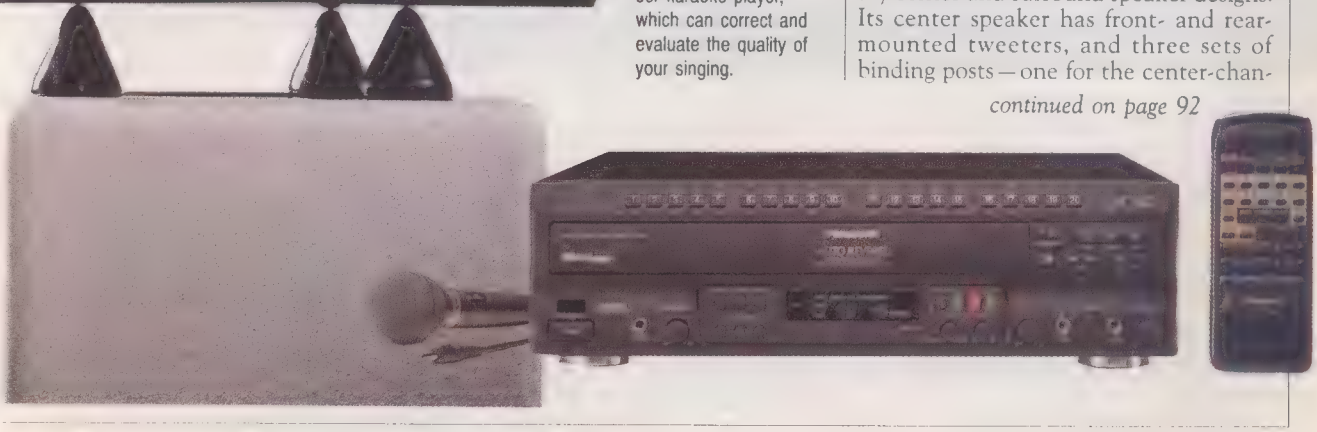
Lucasfilm also made news by creating new specifications for A/V receivers and integrated amps. The company says the specs don't compromise sound because channel allocation is fixed in a receiver. Stand-alone THX amps must deliver enough voltage for any channel of a home theater sound system, including the subwoofer. But because THX integrated products are intended for use with a powered THX subwoofer (or a THX amp and a passive subwoofer), they can deliver less voltage, allowing companies to use the smaller amps dictated by a receiver's chassis while still meeting THX specs. Two preproduction THX receivers made their debut at CES: Technics' $1,200 SA-TX1000 and Onkyo's $1,999 TS-XV919THX.

Leading the list of new home theater transducers is a new version of NHT's VT-1 video speaker, this one with a switch that contours the sound for video or audio. The switch alters the crossover parameters, changing the frequencies at which the woofers and tweeters operate. It really works!

Atlantic Technology showed a prototype of a THX system with a horizontal center speaker, making it the first THX system that will look unobtrusive in a typical living room. Atlantic also showed a larger version of its Pattern speaker system, with a center speaker that has midrange and treble controls for easy matching to any main speakers you choose.

Unity Audio presented revolutionary center and surround speaker designs. Its center speaker has front- and rear-mounted tweeters, and three sets of binding posts—one for the center-chan-

continued on page 92



Sounding Better: Unity Audio's new center-channel speaker, and Panasonic's LX-K750 laser karaoke player, which can correct and evaluate the quality of your singing.

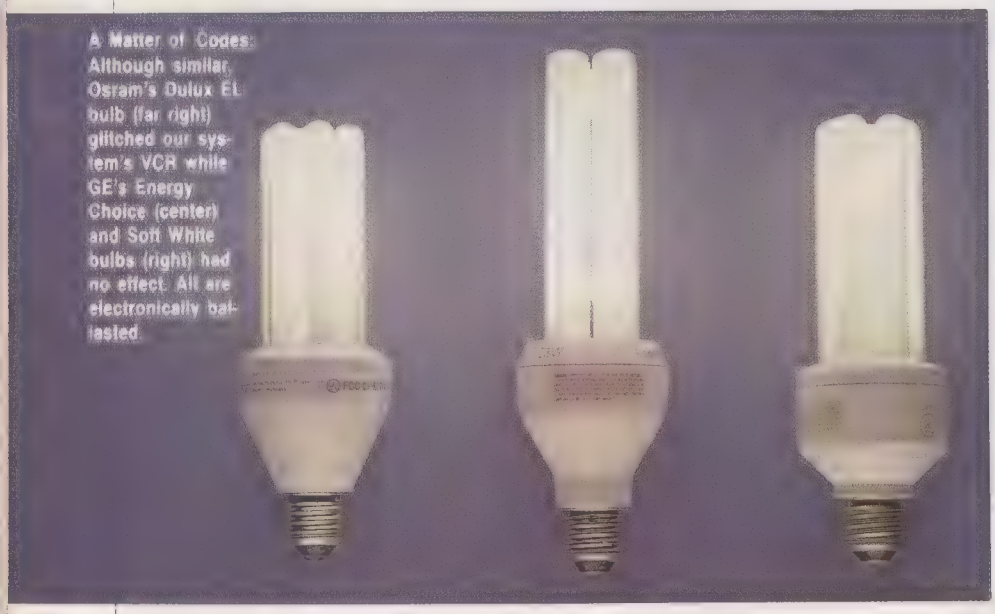
Does your TV have a mind of its own? Energy-saving lights can cause remote control chaos in home video systems.

PHAN FREQUE

BY TOM HEALD

For the first two months my new universal remote control worked flawlessly. Then, for no apparent reason, it simply stopped controlling my cable box, although it continued to work fine with my TV and VCR. One afternoon I bought a couple of new batteries. Eureka, the remote worked—for two hours.

Then the gremlins returned, with truly weird results. One fall evening, while we were entertaining friends, the cable box switched on by itself. We watched as it searched through several channels then turned itself off. Nobody was near the remote control. Nobody touched the box. What was going on? What kind of ghost had gotten into my machine?



A Matter of Codes: Although similar, Osram's Dulux EL bulb (far right) glitched our system's VCR while GE's Energy Choice (center) and Soft White bulbs (right) had no effect. All are electronically ballasted.

I called my cable company, Falcon Cable TV in Gilroy, California, and spoke with Robert, a customer service representative. "It's those universal remotes," he said. "They're always causing problems with our boxes. If you rent one of our remotes, it'll work just fine."

Not quite satisfied with Robert's explanation, I called Universal Electronics, maker of my One For All remote. "Do you know what could be causing the problem?" I asked after describing the symptoms. "I haven't heard of it," said Tammy, a customer service rep from Universal. "But it could be the code for the cable box." She gave me detailed instructions for resetting the cable portion of the remote, and we tried reprogramming all the codes for the Scientific Atlanta cable box from Falcon. Nothing helped.

Neither company had any idea what was causing the problem, although each assured me it couldn't possibly be its unit. Three cable boxes and two remotes later, the problem still persisted. In a typical incident, the cable box, apparently unhappy with the movie we were watching, started jumping randomly from channel to channel. The remote control had no effect at all.

It can't be all three cable boxes, I mused. Something must be interfering with the remote's signal to the box. Or maybe it's the signal from the cable. Everything seemed to work fine during the day, but not in the morning or the evening. What was different? Feeling a bit foolish I turned off all the lights. To my delight, the remote worked again. Turning the lights on one at a time narrowed the problem down to the new energy-saving fluorescent lights we had installed several months earlier in mid-summer, when we weren't watching much TV.

Apparently, the new fluorescents produced a broader spectrum of light than the standard incandescent bulbs they replaced. They seemed to be producing an infrared signal that blinded our cable box and occasionally mimicked the remote control's signals. Indeed, if you are experiencing unexplained operating glitches with your own video equipment, take a good, hard look at your room lights.

Energy-efficient fluorescent lights are manufactured by lighting specialists like FEIT and FTC, as well as by companies—like Philips, Panasonic and GE—that also make consumer video

TOM

NCIES

equipment. I contacted several leading manufacturers and all acknowledged the problem. Though it may be widespread, remote control interference caused by fluorescent lights is so unpredictable and intermittent that no one I spoke with could indicate how many homes or components might be affected.

"Yes, we have had some complaints," Scott Mack, a spokesman for Philips Lighting, told me. On the audio/video side, Don Lowry, director of engineering for Matsushita Electronics (parent of Panasonics, Quasar and Technics) also acknowledged that "we have had some problems." However, Lowry added that Matsushita feels it has the problem "well in hand in our product line."

Compared with the energy savings fluorescent lights can yield, remote control interference is "a minor inconvenience," Mack asserted. His best advice was to move the lamp to a different electrical circuit and make sure it was at least 10 feet away from any A/V equipment. When I pointed out the impracticality of his solution, he also assured me the problem was being worked on, and that Philips hoped to have a solution in place soon.

I followed Mack's suggestions, but the same failure occurred with the light moved to the far corner of the room, 16 feet away. Using an extension cord to connect it to a separate circuit didn't help either. Next I tried a fluorescent tube that produced a more natural "daylight" color spectrum. It didn't make any difference. Both lights—eight-inch circular tubes from Lights of America and FTC—caused the same failures.

To prove it was the fluorescent light being emitted and not electrical interference on the line, I placed the lamp in a large cardboard box in the middle of the room. Sure enough, with the lamp turned on inside a closed box my equipment worked fine. As soon as I opened the box, the problem returned.

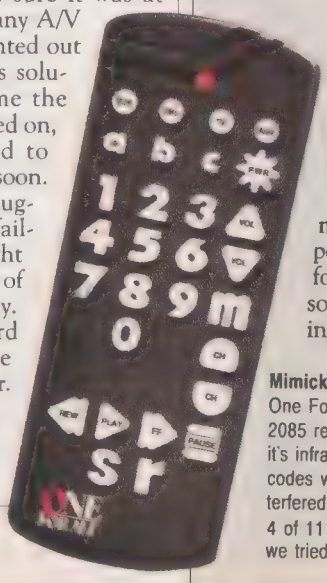
GREMLIN HUNTING

Undaunted, I tried one last test. Using a magnetically ballasted fluorescent lamp by Dana from my office, I tried the same test. The remote didn't fail at all. In fact, I could shine the light directly into the infrared receiver on the cable box from a few inches away without any problems. Both fluorescent tubes caused problems in the electronically ballasted lamp, but not in the magnetically ballasted one. What was the difference? It had to be something in the way the electronically ballasted lamp works.

Traditional fluorescent lights use a heavy magnetic ballast to limit the current flow of standard 60-cycle power through the light tube. This is what produces the annoying flicker we sometimes notice in older fluorescent lights. Electronically ballasted lights, on the other hand, generate a 25- to 50-kilohertz signal and use it to power the tube. This also produces a flicker, but it's much too fast for our eyes to detect. However, it is this flicker that most experts believe is causing the problem. It doesn't bother us, but it annoys the heck out of remote controls.

Most lights, incandescent and fluorescent, emit light in the infrared range, "but that's not the problem," explained Tarry Olson, manager of applications for electronic lighting systems at Osram Sylvania. "The problem," he continued "is the frequency of the power that's applied to the light. When it's 60 cycles, there's no problem. However, when it's 25 to 50 kHz, there are problems." Simply put, electronically ballasted fluorescent lamps can blind a remote control by producing a signal "tuned" to the infrared receiver's frequency.

Fluorescent lights flicker at twice the frequency of the applied power, according to the Lighting Research Center



Mimicked: One For All's 2085 remote—it's infrared codes were interfered with by 4 of 11 bulbs we tried.

Remote Codes–How They Work

The hundreds of different remote controls available today use a variety of techniques and codes to communicate with TVs, VCRs and other electronic devices. But the codes all work pretty much the same way. Most remotes send out pulses of infrared light at a specific frequency, say 56 kilohertz. And each time you press a key, you generate a group of coded pulses.

In a code that consists of 24 bits of binary information, a common arrangement, the first four bits determine which one of 16 possible devices the remote is talking to. For example: 0 would be for a TV set, 1 for VCR-1, 2 for VCR-2, 3 for a laserdisc player, and so on. The next eight bits describe which key you've pressed, allowing for a total of 256 possible key codes. The last 12 bits are check bits, which are compared with the first 12 bits to detect errors.

When the infrared receiver detects the infrared signal, it compares it to a clock pulse operating at the same frequency within the component that houses it, and responds as ordered.

—TH

Gremlin Hunting With Fluorescents

Double Gremlin: Lights of America's 30-watt tube glitched our cable TV box and stereo receiver.

To see how much fluorescent interference an unwary viewer might encounter, I tested a variety of easily available lights with a typical home video set up. In all, I looked at 11 fluorescent lights from seven major manufacturers. Six instances were found in which the lights interfered with the cable, VCR and stereo controls of our test equipment. In each case, the interference was from an electronically ballasted light.

For the test setup, I enlisted my own home video system. The components included Universal's URC-2085 One For All remote control, Mitsubishi's 26-inch CS-2655R TV, Toshiba's 20-inch CE2058 TV, RCA's VR680HF VCR, a Scientific Atlanta cable convertor (model 8500321), and a Technics SA-R277 stereo receiver.

The lights were purchased at the Orchard Supply Hardware store in Gilroy, California. All the lights, except for a Dana magnifier lamp, were screw-based fluorescents designed to replace standard incandescent bulbs. The prices cited below are those the store charged.

I employed the Universal remote with each of the lights to operate the cable box, the VCR, both TV sets and the stereo receiver. None of the lights interfered with the controls for either of the TV sets, and none of the four magnetically ballasted lights interfered with any of the Universal's controls. The magnetically ballasted lights were Panasonic's 15-watt Light Capsule ($14.99), Lights of America's 12-watt Lifelight U-Tube ($9.99), FEIT's 9-watt Electronic U-Tube ($12.99), and the Dana swing arm magnifier lamp with a circular 22-watt tube ($49.99).

However, among the seven electronically ballasted lights selected, two led to solid failures with the cable box. Both were eight-inch circular tubes from Lights of America, a 30-watt model ($14.99) that also induced intermittent failures with the Technics receiver, and a newer 22-watt unit ($12.99) with reduced total harmonic distortion (THD). The lower THD eliminated the receiver interference. An 18-watt Philips Earth Light ($16.99) led the VCR controls to fail fully and the stereo receiver controls to fail intermittently. A 20-watt Osram Dulux El light ($16.99) led to intermittent VCR failures.

Three electronically ballasted lights performed perfectly with all components: GE's 20-watt Soft White with reduced THD ($9.99), GE's 26-watt Energy Choice ($9.99), and Panasonic's 27-watt Twin Light Capsule ($19.99).

If you decide on an electronically ballasted lamp, look for one of the newer ones with reduced THD. It should produce fewer phantom frequencies. My favorites among those we examined are the 22-watter from Lights of America, which looks like the *Deep Space Nine* space station, and GE's Soft White light. And remember, the same light may react differently with different A/V components.

—TH

Clean Sweep: Panasonic's 15-watt Light Capsule passed our test with flying colors, as did three other magnetically balanced bulbs we tried.

at Rensselaer Polytechnic Institute in Troy, New York. They flicker once for each positive and each negative swing of the sine wave. So lights operating between 25 and 50 kHz produce a 50- to 100-kHz flicker in the form of a switched infrared signal.

Remote controls also use switched infrared signals. Typically, they produce signals in the 50- to 100-kilohertz range to transmit binary information to receivers on cable boxes, TV sets, VCRs and the like. Better infrared receivers use sophisticated automatic gain controls and clocking circuits to help isolate the remote signal from spurious infrared radiation.

Some receivers not only look at the center frequency of the remote signal but also at its pulse width, and reject any noise spikes with shorter durations. Newer components are better shielded, and limit the infrared receiver's view so it only sees light coming from a narrow cone in front of the equipment. It all helps, but the total answer has yet to be found.

Fluorescent light manufacturers also have to clean up their act. Because most electronically ballasted lights generate a pulse instead of a nice clean sine wave, they produce harmonics that walk all over the frequencies remotes use.

The electronics and the lighting industries are working together to solve the problem by developing compatible standards for both infrared remote controls and electronically ballasted fluorescents. The standards, being developed by committees of the Electronics Industries Association and the National Electrical Manufacturers Association, will assign specific frequencies to each, and set limits on the total harmonic distortion produced. "But it's going to take time, maybe a year or so before the industry has the final answer," Lowry told me. Both Matsushita and Sylvania are working through the EIA and NEMA to resolve these problems.

MORE LIGHT THAN HEAT

With frequency gremlins on the loose, why should you even consider buying one of these energy-saving fluorescent lights? To save money, that's why. They cost 60 to 75 percent less to run than equivalent incandescent bulbs, and last 10 times longer. The savings occur because fluorescents produce most of their energy in the visible instead of the infrared portion of the electromagnetic spectrum, with most of the energy manifested as light instead of heat. Typically, they use 75 percent less electricity than incandescent lights. With prices

dropping below $10 a tube, you can save enough using energy-efficient fluorescents to subsidize a new remote.

A typical 100-watt incandescent bulb costs about 90 cents and lasts 750 hours, while a 22-watt fluorescent tube delivers an equivalent amount of light and lasts 10,000 hours. If you can pick up a compact fluorescent for less than $12 – the cost of 13 replacement incandescents – you've already saved money in the long run (and the hassle of buying, storing and changing 13 incandescent bulbs).

If you use a light for three hours a day, on average, at a typical electric company rate of 8.5 cents per kilowatt-hour, you will save $7.26 per year on each incandescent light you replace with a fluorescent. At a New York City utility rate of 20 cents/kilowatt-hour, you'll save $17.08. At this rate, each fluorescent light will save you $154 over it's nine-year life. I wish my stocks did as well.

TWO WAYS TO GO

If you're considering buying an energy-saving fluorescent, you have two types to choose from:

- *Electronically ballasted lights.* These weigh little and start instantly. Unfortunately, most interfere with some, but not all infrared remotes, and there is no way for you to predict which combination will cause problems. Equipment makers use a variety of infrared receiver chips, which can interact with dozens of fluorescent lights operating at slightly different frequencies. Before you plunk your money down, either for bulbs or A/V components, check the store's return policy. If it will take back your purchase, you have nothing to lose and a lot to save.
- *Magnetically ballasted lights.* These are bulkier and can weigh more than ten ounces, which may make a table lamp top heavy. They embody a repackaged version of the same technology in use for years.

Some flicker for a few moments when you turn them on, while others tend to hum. In general, they won't interfere with your infrared remote, and they'll save you just as much on your electric bill.

Most videophiles may never experience this peculiar, fluorescent gremlin. But more than 30 million compact fluorescent bulbs are sold each year, and if you're among the viewers who are experiencing interference, the most difficult part of the problem is identifying its cause. Once achieved, the solution could hardly be simpler – change your bulb. Then sit back, relax and enjoy the show. ■

The only camcorder battery that has it all.

Introducing Sunpak's revolutionary new NiCd camcorder battery

It's MEMORY-FREE™
So you'll always get the full capacity of your battery.

Multi-stage LED display
Just push the "check" button to see the remaining battery power.

2½ hours of running time
With 2700mAh you'll get more than twice the recording time of your original camcorder battery!

Guaranteed for life!
No other camcorder battery can offer this commitment. Available for 8mm and VHS-C camcorders.

SUNPAK
Because anything less is a compromise.

Sunpak division of Tocad America, 300 Webro Road, Parsippany, NJ 07054 • Canada: Gentec-Markham, Ontario

Circle 17 on Reader Service Card.

BY LARRY WHITE

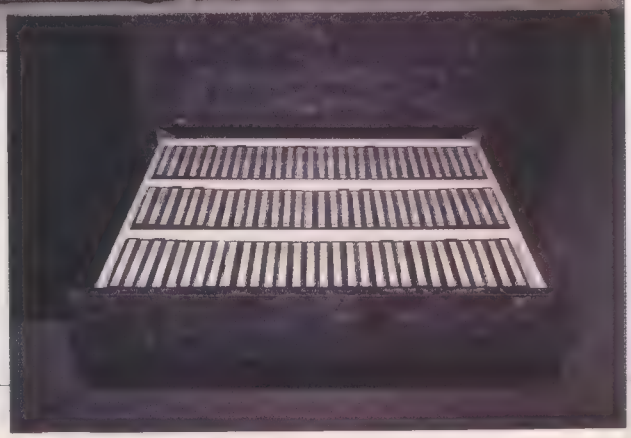
MY CUSTOM COCOON

If you were to build a home theater the way most manufacturers describe and display them, you'd need a perfectly shaped room with a large blank wall, power and cable connections in just the right places, no pre-existing A/V equipment (at least that you'd like to keep), and funds running into the tens of thousands. I've always dreamed of having a system like those featured in *Video Magazine* and other publications, but most of us aren't wealthy enough to buy a complete home theater system as a single package.

Rather than fantasize about winning the lottery and buying my dream system, I've pursued a more practical alternative—I've been slowly and methodically

Where's the Wires? This home theater built around a 46-inch rear-projection set has a custom-installed look with fully concealed (but easy to access) wiring. It has storage for over 500 VHS tapes, plus CDs, cassettes and laserdiscs. Each drawer (below) holds three rows of 29 tapes.

How one video buff used computer-aided design, careful planning and common sense to create his dream home threater.



building and improving my system. And when I was satisfied with the components, I designed custom cabinetry to accommodate them. The result is a system that looks and performs like a custom-installed dream home theater, at a fraction of the cost. It even silenced my wife's constant cry to not see any more wires! In this article, I'll tell you how I designed the system, explain how I got it built and confess a few minor mistakes I made along the way.

Since I bought my first NEC 27-inch TV about six years ago, I worked toward my final goal with each new component I bought. When I purchased a new component, I considered expandability as well as function. For example, I bought an S-VHS VCR (an NEC which came with a free surround-sound amp) well before I was ready to buy a TV with S-video inputs. Buying the components one at a time didn't put too much strain on my budget. I was building towards a fully integrated system, but I got immediate use out of each purchase.

Cut It Out!
Cut-outs in the door allow use of remotes and changing of tapes, discs or surround modes without hassle.

Once I got my laserdisc player, a 27-inch monitor didn't seem very big, so I took the big step and purchased a 46-inch rear-projection set—Sony's KPR-46EX35, one of the winners of *Video Magazine*'s Sept. '91 "Clash of the Titans" big-screen shootout. The picture was great, but the Sony has a single S-video input, which meant I'd need a switcher if I wanted to use S-video from both the VCR and the laserdisc player. Also, replacing a 27-inch monitor with a 46-inch one created a theater-like feeling. But at a viewing distance of only eight feet, several family members complained that the TV was too close.

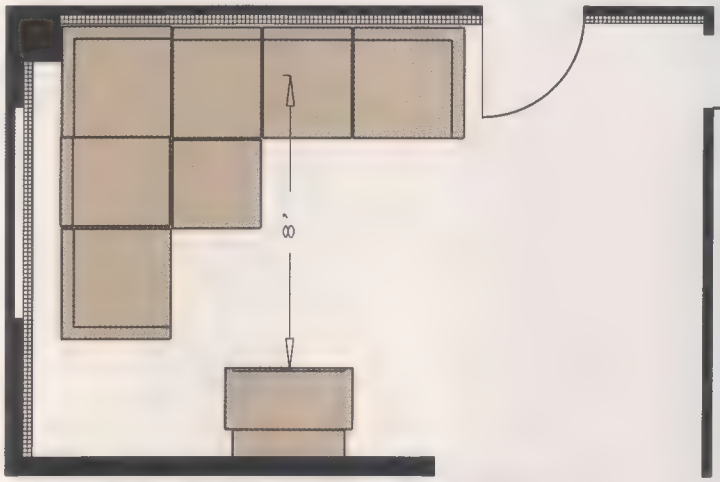
My surround-sound amp didn't offer Dolby Pro-Logic, so I decided to step up to a real A/V receiver, one that could also function as an S-video switcher. Many of the A/V receivers I considered offered top sound specs, but a careful check revealed surprisingly few receivers with ample S-video connections. I settled on the Denon AVR-3000, which has four S-video inputs and three S-video outputs.

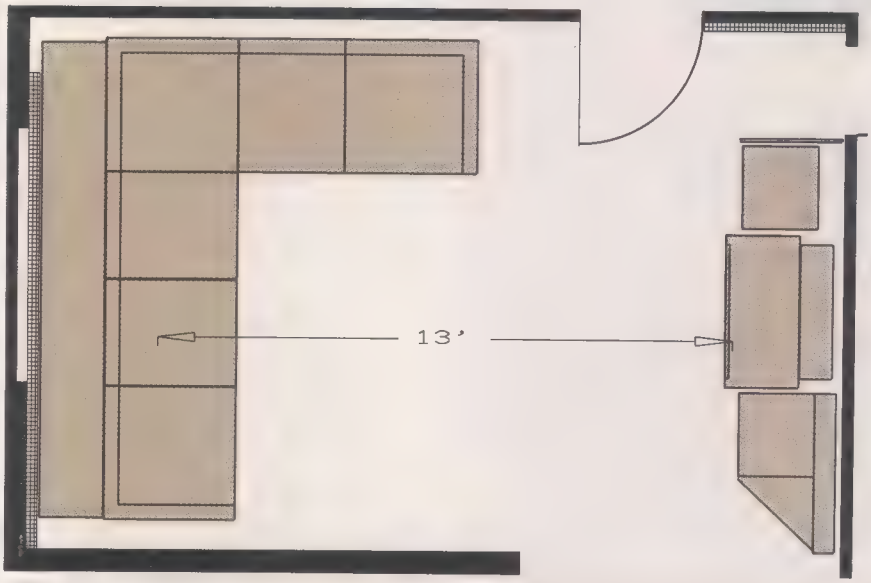
Since it was now time to buy a center speaker, I decided to replace the front speakers to keep a matched set across the front. The KEF reference series speakers I chose sound great and have enough range that I can get by without a subwoofer.

When building a home theater, there's more to consider than just hardware, though. As my video collection grew to more than 500 tapes and 50 laserdiscs, storage became a problem. I couldn't find shelves or cabinets that could provide enough storage and fit in with the room's size and decor. I didn't want to spend a great deal of money on shelves or wall units, and was especially leery of built-in cabinets, since I was always changing parts of the system.

With the addition of the KEFs and the Denon receiver, I had an excellent system, so I began to investigate ways to physically integrate the components and redesign the room to take full advantage of the existing parts and still allow for future changes.

Could I move the entire system to the far end of the room without increasing the viewing distance so much it would offset the advantages of having a large screen? How could I hide all the cables and wires? Was there power on





Before & After:
At left, the original layout, with the TV too close and no space for good surround speaker placement. Below, the solution: Move the TV to the far wall and put cabinets behind the couch.

Larry White is technical editor of Popular Photography *magazine.*

that wall? How could I get behind the shelves to connect the wires to the components? To get the answers, I turned to my Amiga computer and a computer-aided design (CAD) program called *Draw 2000*.

I started by drawing the actual room as viewed from the top. I then added the furniture and each of my components in their existing positions. Using the computer, I electronically rearranged the room many times to find the best way to accommodate all the pieces.

Moving the TV to the far wall and turning the modular couch seemed like the best physical approach, but it would almost double the viewing distance (from eight feet to 15). This would severely limit the effective screen size, which decreases with the square of the distance. Also, this scheme might pose a wiring problem, with additional length required and a lack of hiding places, since the cable TV connection comes in from the opposite side of the room (as do the connections to and from the gear in my home office).

Wrap It Up: Using lots of cable ties helped the author keep a messy tangle of wires under control.

After some experimentation, I found that moving the couch out from the wall would not only shorten the viewing distance, but would provide more physical separation for the rear surround-sound speakers—an idea well worth pursuing. By building some storage chests to go behind the couch, I could move it out about two feet and add enough storage space for hundreds of tapes or laserdiscs. This decided, I turned my attention to the far wall.

The projection TV is the center of the project in many ways, so I started there, positioning the TV in the center of the wall. I decided to stack most of the A/V components in a cart so I could easily roll them away from the wall for wiring. I allowed 21 inches (19 for the hardware, plus 2 for side walls and breathing room) for the width and placed the cart next to the TV.

I also decided to use as much of the room's width as possible for a stack of tightly spaced videotape storage drawers. By basing the drawers' depth on the TV, I would be able to get three rows of tapes into each drawer. I figured that drawers about 36 inches across should hold about 100 tapes each, depending on actual dimensions and clearances. If I could pack six or seven drawers into a space as high as the TV, I should be able to house my whole tape collection and then some. And if I needed more space, there would always be the storage cabinets behind the couch.

Two more considerations presented themselves in this top view. The wall is at the bottom of a staircase, and a deep wall unit would have looked very intrusive as one entered the room. Angling a side cabinet would provide the needed depth with a neater look. On the opposite end, all the wiring from the wall to the cart would be visible, providing an ugly mess when viewed from the side. If I added a side panel, the wires would be hidden, and the unit would have a unified look.

Now to the front view. Again, I started with the TV. I added the storage drawers as a separate cabinet, making the drawers just deeper than the side of a videotape (about 4-1/2 inches) and then allowing some clearance for drawer hardware. I decided to make the bottom two drawers deeper (six inches) to hold CDs and any odd-sized videotapes that came in larger packaging.

Designing the cart was slightly more complicated. Those components which use remote control (the VCR, the laserdisc player and the A/V receiver) should be placed high for a clear line of sight. Those which were used infrequently—a dual cassette deck, a cable box (used only for pay channels), and a Radio Shack RF switcher—could occupy less-convenient places near the bottom.

I wanted to keep my turntable in the system, so it had to occupy the top of the cart with room for its flip-up dust cover. I specified plenty of breathing room for the components and an open back for easy wiring. I connected the angled cabinet and the side piece with a few shelves, then brought the completed plans to a local custom mica furniture maker, Picini Mica Furniture in Suffern, New York (914-357-3563).

I explained all my design criteria and let Picini Mica tell me what it could make to fit my needs. It's best to let the furniture maker make the final plans based on its actual manufacturing capabilities, but make sure that you go over every minute detail before you give the okay to start building.

In the Picini showroom, I saw some cabinets with cutouts for A/V components and asked if I could have this concept adapted as a front door to my cart. Each cutout would be expensive—about $60—so I decided to add them only for the VCR, the laserdisc player and the A/V receiver. The other hardware would be hidden behind a second, lower door. If I changed components in the future, I would at most need a new door, a small sacrifice for such a sleek, built-in look. I also decided to add a false bottom to one of the storage chests, so that it would be easy to retrieve record albums or laserdiscs. The full custom unit would cost less than $4,000 plus another $1,000 for the chests, and would be surfaced with a marble-patterned laminate.

Picini Mica told me it would take about three months to build the unit, so I began on the wiring. Since the wiring would be somewhat permanent, I decided to use Monster speaker cables, heavy-duty audio and video interconnects and high-grade S-video cables. I purchased the cables and hooked up the equipment in the existing location to test everything. Although the wiring cost a few hundred dollars, this is not a place to skimp on the system.

A few weeks before the unit's delivery date I began to move everything to the new location. I snaked RF cables along a heating duct, and stapled cables and wires flat against the wall and moldings. RF splitters and a video distribution amp were attached to the wall behind the spot the TV would go. (I needed these because my Panasonic PV-S4366 VCR has only one video out—I wanted one for the A/V receiver, and one for the TV, so that I wouldn't have to turn on the entire system to watch every tape, or to use the VCR's onscreen programming).

I made sure that the cables had extra length where they came off the wall to connect with the equipment. I la-

beled each one so that I would know where to reconnect it later. Before the wall unit arrived, everything had to be disconnected and moved from the wall.

Despite my best efforts, some minor improvements still had to be made. Picini Mica felt that the cart would be stronger if it had a back. Although my plans called for an open back, I found a solid back with a small cutout for wiring. It was impossible to connect everything and still close the front door, so I had the manufacturer enlarge the cutout. I was not happy with the ventilation in the cart, so I had Picini Mica drill two-inch holes in each of the shelves to improve air circulation.

Extra-length drawer guides had to be added to the tape storage drawers, so that they would pull out completely and allow the tapes in the back row to lift straight out. Later, when I placed the tapes in the drawers, I noted two things to improve later on. First, I need to make the drawer dividers lower than the tapes for easier tape removal and, second, reinforce the drawer bottoms—96 tapes is a lot of weight.

Once we ironed out the kinks in the cabinetry, I placed the equipment in the cart, pushed the TV from the wall and went behind for the final wiring. When everything was finished, I again tested each connection. I used dozens of cable ties to keep the groups of cables tight and orderly. After pushing the TV and cart into place, I stepped back and for the first time saw a completely integrated home theater of my very own. ■

TECH TIPS

Dream shot

For a dream-like shooting effect, take a large piece of silver mylar and hang it on the wall. Place your subject three to 10 feet away from the mylar. Shoot at an angle to prevent the camcorder's reflection showing. Take the edge of the mylar and gently shake it.

Chaplain Patrick L. Donaldson, Ed.D.
Daytona Beach, Florida

Middle of the opera

Since none of my opera laserdiscs is Dolby Pro-Logic encoded, I rely on one of my decoder's ambience settings. But it was always difficult to find a satisfying balance between the front and rear speakers on one of these non-Dolby settings until I discovered the following trick: I advance the disc to a segment that has sustained applause. While listening to the applause, I adjust the balance of the front and rear speakers until it sounds like I'm sitting in the middle of the audience. The results have been excellent.

Wally E. Peets
Crescent City, California

WJ-AVE5 expansion

Panasonic's WJ-AVE5 mixer only takes two video inputs, but you can still perform three- and four-camera shoots with it by using an inexpensive audio/video switcher, like Azden's AVS-10. Connect the camera you use most often into input 1 of the WJ-AVE5. Connect the other cameras into the AVS-10, then connect the AVS-10's output into input 2 of the WJ-AVE5. This way, while the camera connected to input 1 of the WJ-AVE5 is live, you can use the AVS-10 to switch between the other cameras, then switch back to the AVS-10's output with the WJ-AVE5. Don't use the AVS-10 to switch a live camera, or you'll get a picture roll. This technique also works with other digital video mixers, like Panasonic's WJ-MX30 and Sony's XV-D1000.

—Brent Butterworth

STOP WASTING MONEY!!! STOP

18th Year Anniversary — PIONEER — #1 in Customer Service

CABLE TV CONVERTERS

$$ BELOW WHOLESALE $$

SAVE MONEY WHY RENT ???

ASK ABOUT OUR FREE *** BLUE BLOCKER *** SUNGLASSES OFFER

WE CARRY ALL MAJOR BRAND NAME CABLE TV CONVERTERS

* YOUR SATISFACTION IS OUR #1 PRIORITY !
* 30 DAY MONEY BACK GUARANTEE !
* 1 YEAR WARRANTY ! WE SHIP C.O.D. !
* OUR UNITS ARE GUARANTEED TO WORK !!

PLEASE HAVE THE BRAND NAME & MODEL NUMBER OF YOUR CABLE COMPANIES CONVERTER, BEFORE CALLING.

WE WILL MEET OR BEAT ANY VALID PRICE QUOTE.

UNLIKE SOME OF OUR COMPETITORS, WE ARE HAPPY TO SPEND THE TIME TO ANSWER YOUR QUESTIONS CONCERNING THE PURCHASING OF OUR EQUIPMENT.

VISUAL COMMUNICATIONS, INC.

FOR CATALOG OR INFORMATION

CALL 1-718-229-2332

***** SORRY NO NEW YORK SALES *****

FRIENDLY - PROFESSIONAL - SERVICE - SINCE 1979

*** FOR ORDERS ONLY ***

1-800-GO-CABLE

20-04 UTOPIA PARKWAY SUITE 236 WHITESTONE, NY 11357

BY PURCHASING CABLE EQUIPMENT FROM VISUAL COMM. THE CUSTOMER AGREES TO COMPLY WITH THE FEDERAL LAWS REGARDING PRIVATE OWNERSHIP OF CABLE TV EQUIPMENT, IF YOU ARE UNSURE OF THESE LAWS CHECK WITH YOUR LOCAL OFFICIALS. ANYONE IMPLYING THEFT OF SERVICE WILL BE DENIED SALE OF EQUIPMENT.

Circle 18 on Reader Service Card.

FREE ADVICE

FREE PHONE CALL

FREE*

CAMCORDER EYE PIECE MAGNIFIER
or
STEREO NARRATION HEADSET

Call for our free catalog

800-231-0031

Audio · Video · Camcorder · Telephone · Computer · Compact Disc · Cellular

HAVEN INDUSTRIES

46-23 Crane Street, LIC, NY 11101

Satisfaction Guaranteed or Your Money Back.

* Mention this ad with your next purchase of $150 or more and get the Magnifier or the Headset absolutely FREE! ($29.95 value)

Circle 19 on Reader Service Card.

TAPES & DISCS

W RELEASES

FEATURE FILMS

Gettysburg

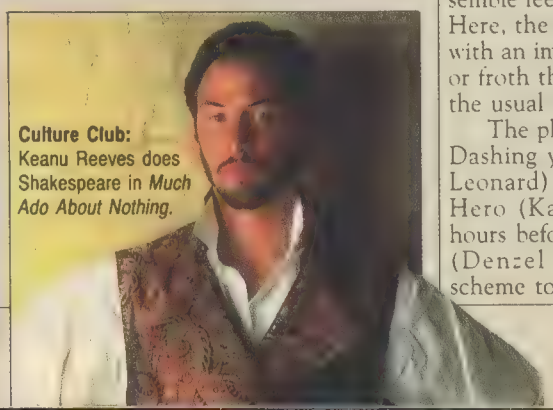
1993. Tom Berenger, Sam Elliott, Jeff Daniels, Martin Sheen; dir. Ronald F. Maxwell. Surround, cc, letterboxed. (PG) 254 min. priced for rental. Turner.

Having already surpassed David Sarnoff's and William S. Paley's achievements in television, Ted Turner has come up with *Gettysburg*, an epic of the War Between the States to rival the big-screen film work of David O. Selznick, Darryl F. Zanuck and D.W. Griffith. This four-hour-plus epic tells its story more movingly and coherently than *Gone With The Wind* (though with a lot less romance), rivaling instead *The Longest Day* for delicacy of nuance and unbridled excitement.

Gettysburg is a rousing, saddening, fascinating dramatization of one of the most renowned battles in history. Its focus on men and events is tight and close-up though within a framework of epic proportions, all done in a manner that we suspect D.W. Griffith would have approved. The performances are all superb, save that of Martin Sheen, who seems stiff and awkward as Robert E. Lee. The battles are stunning—this movie will make one hell of a laserdisc.

The film-to-tape transfer is radiant with its carefully photographed natural light. Fleshtones are sometimes overwhelmed amid the movie's splashes of color, but for VHS this is still very fine work. The sound is crisp and the battles fairly boom, even over television speakers.

—Bruce Eder



Culture Club: Keanu Reeves does Shakespeare in *Much Ado About Nothing.*

Much Ado About Nothing

1993. Emma Thompson, Denzel Washington, Kenneth Branagh; dir. Branagh. Surround, cc. (PG-13) 111 min. priced for rental. LD $34.98. Columbia TriStar.

Anyone deterred by the prospect of Shakespeare's 400-year-old language should consider *Much Ado About Nothing* a predecessor to *The Big Chill*. That's how director/star Kenneth Branagh approached the Bard's merry tale of romantic confusion in the groves of Tuscany, creating the same breezy ensemble feel he brought to *Peter's Friends*. Here, the lighthearted vibes, combined with an impressive cast, result in superior froth that deserves exposure beyond the usual art-film audience.

The plot smacks of sitcom cuteness: Dashing young Claudio (Robert Sean Leonard) has won the heart of sweet Hero (Kate Beckinsale). To fill the hours before their wedding, Don Pedro (Denzel Washington) cooks up a scheme to make sharp-tongued antago-

nists Benedick (Branagh) and Beatrice (Emma Thompson) fall for each other. Meanwhile, moody Don John (Keanu Reeves) hatches his own, more sinister, plot, intended to drive Claudio and Hero apart. Will love triumph? You bet!

The adaptation isn't wholly successful, since the story's twists, especially the union of Benedick and Beatrice, seem totally unconvincing on film. Still, all the actors, including Michael Keaton as a slovenly constable, appear to be having terrific fun, which makes *Much Ado About Nothing* a perfectly reasonable way to kill time. **—Jon Young**

What's Love Got to Do With It

1993. Angela Bassett, Laurence Fishburne; dir. Brian Gibson. Surround, cc. (R) 128 min. priced for rental. Touchstone.

Forget Lorena Bobbitt. In this musical biopic of her tumultuous marriage to a Svengali named Ike, Tina Turner gets the best revenge—two uncontested hours stating her case against the Husband From Hell.

Beginning with the opening sequence—a sharecropper's daughter is tossed out of choir practice for having too much shimmy in her soul—subtlety is not a major concern. After young Anna Mae Bullock heads to the big city and becomes the vocal focal point of Ike's Kings of Rhythm, events are awkwardly telescoped to make room for two recurring motifs: lovingly reconstructed, dynamic onstage performances, and brutal scenes of offstage abuse.

Hit & Run: Fishburne and Bassett as Ike and Tina Turner.

Though formula fuels the script, the performances are rewarding and risky. In a thankless role, Fishburne's extraordinary achievement is in making Ike a believable monster—talented, ambitious, self-destructive, trapped in his own R&B version of *A Star is Born*. Considering he's costumed like Link from *Mod Squad*, it's an act of sheer willpower.

In the equally daunting task of recreating Tina's sassy stage act, Bassett nails her moves in an exciting display of big screen karaoke. Still, when her last scene gives way to a concert segment starring the lady herself, the film finds real closure. **—Marianne Meyer**

King of the Hill

1993. Jesse Bradford, Jeroen Krabbe; wr./dir. Steven Soderbergh. Surround, cc. (PG-13) 103 min. priced for rental. LD letterboxed $34.98. MCA/Universal.

The emerging common thread in the work of Steven Soderbergh (*sex, lies, and videotape*) is the protagonist who reaches deep inside to change his or her life. Few could reach further than Aaron Kurlander, the 12-year-old hero of *King of the Hill*.

Aaron's world is St. Louis, 1933, with the Depression in full swing. His family is stuck in a seedy hotel and behind on the rent. He scrambles to make a few bucks, and tells tall stories to the rich kids in school to cover the truth. But one by one, everyone in his life—family, neighbors, friends—disappears until he is alone in his room, determined to remake his world through sheer will.

Soderbergh's presentation is richly detailed, and shot in burnished tones. For all that, the picture is neither sentimental nor nostalgic. The incidents and characters suggest a cross between Dickens and Mark Twain, with a modern ironic sensibility; a running joke is the lovingly photographed food that the starving Aaron never gets to eat.

The most remarkable thing on view, however, is Jesse Bradford, who brings Aaron's soul and spirit whole to the screen from first to last. At the end we can see in his face both the depth of his triumph and its emotional cost. *King of the Hill* stands comparison with the best movies about childhood ever made.

—Sol Louis Siegel

EDITOR'S CHOICE

by

kenneth korman

Special edition laserdiscs can present all kinds of production problems, but it's hard to imagine a bigger challenge than John Waters' 1982 trash classic **Polyester** (Criterion, $54.95). *Polyester* was the first and only film presented in Odorama: Custom-made scratch 'n' sniff cards were distributed at theatrical showings, and when flashing numbers appeared on screen, audiences took the cue and actually smelled the movie. Almost 14 years later, the question was how to re-create this experience in the home, using laserdisc.

Disc producer Mark Rance searched far and wide for the precious Odorama cards (each of which carries 10 distinct, numbered aromas), but none remained from the film's theatrical run. Word came of a former distributor of the film in Germany who had put thousands of the cards in storage, but he had recently thrown them away—after 10 years the coatings had started to deteriorate, causing a malodorous public nuisance. The cost of re-creating the cards seemed prohibitive for a limited laserdisc release, but Rance worked out a special deal with manufacturer 3M. To cut costs, Criterion threw a party at which dozens of friends and employees spent seven hours putting 50,000 aromatic stickers onto 5,000 rectangular cards. That, in a word, is dedication. (As a secret bonus, the "Director Approved" sticker on the disc's shrink-wrapped front cover also works as a scratch 'n' sniff. Try it next time you're at the video store.)

The resulting package is well worth all this trouble. As he explains on *Polyester*'s hilarious analog-track commentary, Waters drew much inspiration for his wicked parody of suburban America from the critics, who have often said that Waters' early shockfests, like *Pink Flamingos*, stink. With the *Polyester* laserdisc, Waters proves his critics didn't know the half of it—and that there's nothing quite like the sweet smell of success. ■

Demolition Man

1992. Sylvester Stallone, Wesley Snipes, Sandra Bullock; dir. Marco Bambrillo. Surround, cc. (R) 115 min. priced for rental. LD letterboxed $34.98. Warner.

They've finally found a way to make Sylvester Stallone funny on purpose: Stick his standard action persona into a fantasy world that he can make look ridiculous before it does the same to him. He's John Spartan, a 1996 cop thawed from cryogenic freezing in 2032 San Angeles (don't ask), the fiefdom of a painfully benevolent Big Brother, where poltical correctness and clean living are the order of the day. Stallone gives some amusing reactions before going out to reduce the scenery to a richly deserved shambles.

Kick in the Pants: Wesley Snipes is hammy time-traveling bad guy Simon Phoenix in *Demolition Man.*

He gets lot of help from Wesley Snipes, who plays Simon Phoenix (all the character names are jokes), the psycho crime lord Spartan has been brought back to take down. Phoenix is over-the-top evil throughout, and Snipes consistently demonstrates how much fun it can be to watch a really good actor ham it up.

The script is reasonably clever, the supporting cast good and the effects convincing. Oddly, the picture sometimes falls short in the action sequences, which tend to be choppy and over-edited. Stallone and Snipes make up for that shortcoming in what is, in the end, a violent, expensive and entertaining B-movie.

—Sol Louis Siegel

Ladies' Night: *The Joy Luck Club* chronicles four generations of women in an immigrant Chinese family.

Manhattan Murder Mystery

1993. Woody Allen, Diane Keaton, Alan Alda, Angelica Huston; dir. Allen. Surround, cc. (PG) 107 min. priced for rental. LD $34.98. Columbia TriStar.

No one can beat Woody Allen for throwaway one-liners: "I can't listen to that much Wagner. You know, I start to get the urge to conquer Poland." And *Manhattan Murder Mystery*, his long-overdue reunion with co-star Diane Keaton and co-screenwriter Marshall Brickman is full of delightful one-liners. (She: "We could be living next door to a murderer." He: "Well, New York is a melting pot.") Above and beyond the gags, there's the wonderful re-teaming of one of the screen's great kooky, romantic pairs, Allen and Keaton, who haven't been this funny alone or together since their heyday in *Annie Hall*.

The story itself isn't much—a mix-master version of *Rear Window* with Keaton in the James Stewart role as the woman who suspects her neighbor of murder—but Allen uses the tale as an excuse for a delightful exploration of characters coming to terms with stodgy middle age. ("He thinks of himself as Humphrey Bogart in *Casablanca*. I see him more as Peter Lorre.") Jealousy, insecurity, sex and other favorite Allen themes are lightly touched on, but the point of the movie is refreshingly simple: Fun will keep you young. And if nothing else, *Manhattan Murder Mystery* is fun.

—Tom Soter

Call of Duty: Woody Allen reunites with Diane Keaton to solve a *Manhattan Murder Mystery.*

The Joy Luck Club

1993. Tsai Chin, Kieu Chinh, Lisa Lu; dir. Wayne Wang. Surround, cc. (R) 136 min. priced for rental. Hollywood Pictures.

The "joy luck club" is a nickname assumed by four women, all immigrants from mainland China, who meet once a week to play Mah Jongg and lend each other a little support.

This group is used as a jumping-off point by writer Amy Tan (adapting her own novel with the help of star scriptwriter Ron Bass) to explore four generations of Chinese women: the women of the group; the mothers who represent the repressive lives they left behind in China; their adult daughters, raised as Americans but with two cultures; and the next generation, the culmination of hopes carried from half a world away.

The Joy Luck Club would be a major accomplishment for director Wayne Wang (*Chan is Missing*) simply for the deceptive ease with which he interweaves more than a dozen different stories, all in enough detail to make us feel we've come to know these characters. But in every way this is a big, perfectly realized film, superbly acted by a cast of top Asian performers. Mixing humor, history, pathos and melodrama in a handsome production (partly filmed in China), *The Joy Luck Club* is a rich, emotionally satisfying movie. **—MF**

Mr. Wonderful

1993. Matt Dillon, Annabella Sciorra, Mary-Louise Parker; dir. Anthony Minghella. Surround, cc. (PG-13) 99 min. priced for rental. LD $34.98. Warner.

"There are three sides to every story," observes a sideline character in *Mr. Wonderful*, "his, hers and the truth." All three get equal time in this enchanting romantic comedy that stands up firmly

for tradition.

Gus (Matt Dillon) feels that divorce has put his life on hold: While his ex-wife Lee (Annabella Sciorra) uses his alimony payments for college tuition, the financial strain has stranded him in a job he doesn't much like and casts a shadow over his new romance with nurse Rita (Mary-Louise Parker).

His solution—find Lee a new husband—seems perfect at first. But as Gus tries to figure out what his former high school sweetheart wants out of life, he starts taking a look at his own choices as well.

Mr. Wonderful ends up just where you expect it to go, but it takes a delightfully circuitous route to get there. Along the way is a gallery of ingratiating characters, played to perfection by William Hurt, Vincent D'Onofrio, Dan Hedaya and Jessica Harper. Shooting exclusively on Manhattan locations, director Anthony Minghella (*Truly Madly Deeply*) makes even the underground power systems where Con Ed electrician Gus works look enticing. It may be a month late, but you couldn't ask for a better valentine of a movie. **—MF**

The Good Son

1993. Macaulay Culkin, Elijah Wood; dir. Joseph Ruben. Stereo, cc. (R) 88 min. priced for rental. FoxVideo.

Shirley Temple aside, child stars generally fade after a few movies, usually as soon as they try to do something different from whatever made them famous to begin with. With this by-the-numbers thriller, 13-year-old Macaulay Culkin hits the downward slope. As a sociopathic bad seed trying to draw his cousin (Elijah Wood) into his world of evil, Culkin uses the same mannerisms and intonations (if not the energy) he displayed in the two *Home Alone* movies. They couldn't be more inappropriate. As in *Sleeping with the Enemy*, director Joseph Ruben seems more interested in the seaside scenery than the actors, though one can hardly blame him given these underwritten characters. The screenplay is by acclaimed novelist Ian McEwan, whom we can only assume is following Faulkner and Fitzgerald in the time-honored tradition of ripping off Hollywood. **—MF**

Red Rock West

1993. Nicolas Cage, Dennis Hopper; dir. John Dahl. Surround, cc. (R) 98 min. priced for rental. Columbia TriStar.

Revealing any of the gleefully convoluted plot of *Red Rock West* would deprive viewers of the substantial pleasure of discovering it for themselves. We can tell you that the title refers to a nowhere town in Wyoming where unemployed-but-honest Michael (Nicolas Cage), stranded after a bum job lead, gets mistaken for a hired killer and drawn into a feud between spouses J.T. Walsh and Lara Flynn Boyle. Add a comparatively restrained but still meaty turn by champion scene-stealer Dennis Hopper as snazzy dresser Lyle from Dallas, and the stage is set for the most entertaining series of double crosses since *Blood Simple*. Wittily written and stylishly directed by John Dahl (*Kill Me Again*), *Red Rock West* is the kind of thriller where you have no idea what's going to happen next—but can't wait to find out. **—MF**

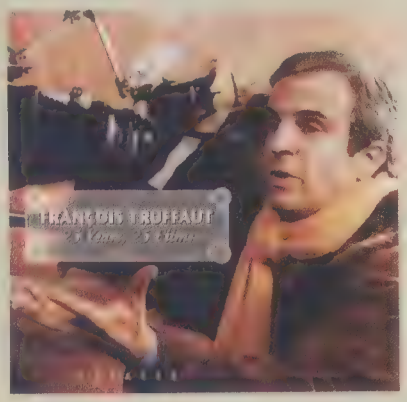
Devil May Care: Macaulay Culkin gets to be really bad in *The Good Son*.

LASERDISCS

Francois Truffaut: 25 Years, 25 Films

1993. Pr. Michael Kurfeld. Digital mono. (NR) 90 min. CAV side 1 $39.98. Criterion.

While less than the comprehensive analysis its title implies, Criterion's *Francois Truffaut: 25 Years, 25 Films* laserdisc adds several gems to the crown earned recently with the stunning restoration of nine Truffaut titles.



Split between CAV and CLV formats, the latter portion (side 2) features the real treasures, especially a brilliant transfer of Truffaut's lyrical 1957 directorial debut, the 17-minutes *Les Mistons*. Rawer but more revealing of Truffaut's promise is Jean-Pierre Leaud's audition for *The 400 Blows*, a brief interview in which Leaud answers questions posed by the off-camera director—a prototype for the "psychiatrist" sequence which climaxed the subsequent feature. The balance of the CLV side features a limited compilation of theatrical trailers, an appreciation by Steven Spielberg and actor Bob Balaban of Truffaut's dramatic contribution to *Close Encounters of the Third Kind*, and excerpts from *10 Ans, 10 Films* and *Apostrophes: Les Grands Metteurs en Scene*, a pair of French television documentaries about the director. In general, audio may be accessed in either French or English.

The CAV portion features an uncharacteristically bland (and, covering a mere 13 titles, far from comprehensive) film analysis by Truffaut historian Annette Insdorf. As the images utilized are quite common and the narrative silenced when an image is stilled, the segment seems a waste of precious CAV space. The balance of the program, however, features a wealth of archive material accessible as single frames, including a number of rare photographs from the collection of lifelong Truffaut confidant Robert Lachenay.

Francois Truffaut: 25 Years, 25 Films may lack the scope of its title. But even the sum of half its parts will delight any Truffaut admirer. **—John Walker**

Kagemusha (The Shadow Warrior)

1980. Tatsuya Nakadai; dir. Akira Kurosawa. Digital mono, letterboxed. (PG) 160 min. CLV 3 sides $69.98. FoxVideo.

Ran

1985. Tatsuya Nakadai; dir. Akira Kurosawa. Digital mono, letterboxed. (R) 160 min. CLV 3 sides $69.98. FoxVideo.

While they won't make anyone forget such masterworks as *Seven Samurai* and *Rashomon*, *Kagemusha (The Shadow Warrior)* and *Ran*, later efforts from Japan's great director Akira Kurosawa, make a fascinating double-feature, although a combined running time of five hours plus will tax all but the hardiest viewers. Both are sweeping spectacles set in the 16th century, when warlords battled for control of the land, both star Tatsuya Nakadai and both portray a lone individual overwhelmed by events he cannot control.

Kagemusha (1980) tells the story of a common thief recruited to impersonate the leader of a powerful clan after the ruler's death. Totally unsuited for such responsibility, this reluctant "double" nevertheless grows into the part, undergoing a transformation from petty criminal to revered chief. Eventually he is exposed and betrayed by jealous forces inside his own camp, with far-reaching repercussions.

Ran (1985) uses Shakespeare's *King Lear* as the starting point for a melodrama of betrayal and revenge. When the prosperous Lord Hidetora retires, he passes his kingdom to his three sons, only to see disaster ensue almost immediately: The offspring turn on each other in bloody conflict, and Hidetora, who must confront the effects of his own cruelty years before, eventually goes mad.

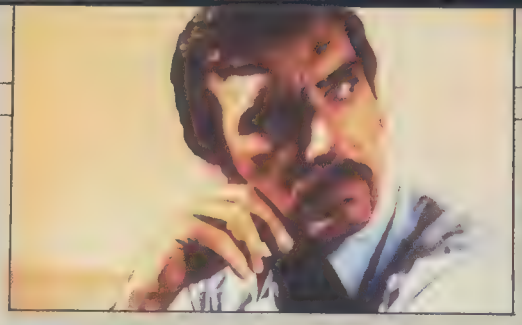
With their breathtaking pageantry and colorful battle scenes, both films work extremely well in letterbox format on disc. But most striking is the way both editions capture the details of Tatsuya Nakadai's expressive face—as the anguished humanity at the center of cataclysmic events, he's a poignant, haunting presence. **—JY**

Menace II Society

1993. Tyrin Turner, Larenz Tate; dir. Allen and Albert Hughes. Digital surround, letterboxed. (R) 104 min. plus supplement. CLV/CAV 4 sides $99.95. Criterion.

If a debut movie ever deserved the full Criterion treatment, it's *Menace II Society*. Twin brothers Allen and Albert

The Hughes Brothers



Defensive Driver: Suburban Everyman Dennis Weaver is pursued by the Truck Driver From Hell in Steven Spielberg's *Duel.*

Hughes' relentless look at gangster life and death on the mean streets of Los Angeles has a chilling resonance that transcends limitations of genre, budget or inexperience. Like a Greek tragedy, the story of Caine (Tyrin Turner), a troubled young black man torn between the nihilistic violence of his gun-crazy buddy O-Dog (Larenz Tate) and the opportunity to escape with his girlfriend Ronnie (Jada Pinkett), moves with dreadful inevitability toward the horrific conclusion. Throughout the film, friends and family warn Caine to change his ways before it's too late, to no avail.

Typically, Criterion has included a generous helping of extras, from storyboards and deleted scenes to a student film and the brothers' music videos. Unfortunately, the key element of the package—the analog-track director commentary—should have been handled differently. Co-directors Allen and Albert Hughes receive separate channels, when they could have easily been combined onto one. They're still in their early twenties, and just don't have much to say yet.

Still, revelations await the curious. Allen recalls clashes with the ratings board over depicting exit wounds, and readily owns up to what he considers the film's shortcomings, including the awkward love scene between Caine and Ronnie. Albert, the technically oriented half of the team, explains more than most people need to know about camera angles and tracking shots, citing Scorsese as an inspiration so often he ends up joking about it.

Admirers of the Hughes Brothers' unsparing vision will understand why Criterion undertook the project, even if the end result was flawed. Those who haven't caught *Menance II Society* yet should do so, whether through this sparkling disc transfer or on tape. **—JY**

The French Connection/ French Connection II

1971/1975. Gene Hackman, Fernando Rey; dir. William Friedkin (Connection), John Frankenheimer (Connection II). Digital mono. (R) 213 min. CLV 4 sides $69.98. FoxVideo.

They say that good police work is all about asking the right questions...or is it having the right catch-phrase? Someone should check the blotter for 1971 to see who fared better: Dirty Harry with "Do you feel lucky today, punk?" or Popeye Doyle with the more rhetorical "Did you pick your feet in Poughkeepsie?"

In the eyes of the critics, it was no contest: *The French Connection* won five Academy Awards, including Best Picture, Best Director (William Friedkin), and Best Screenplay. Gene Hackman took Best Actor for his portrayal of Popeye Doyle, a cop who made Dirty Harry look like Prince Charles. (Doyle and partner Cloudy Russo—played by Roy Scheider—were based on the real-life N.Y.P.D. detectives "Popeye" Egan and Sonny Grosso.) What truly distinguished *The French Connection* was its unflinching portrayal of Doyle as vicious and racist in the worst "old cop" tradition—then putting him against the elegant (and almost likeable) heroin kingpin Alain Charnier (Fernando Rey).

The rules for both cops and films had changed by the time *French Connection II* appeared in 1975. Directed by John Frankenheimer, the sequel finds Doyle in Marseilles, still pursuing Charnier several years later. After a brief allusion to the real-life disappearance of the heroin seized in the original bust, the story veers into pure fiction as Doyle is kidnapped by Charnier's goons and turned into his own worst nightmare: a junkie. The dynamics of *French Connection II* show promise as Popeye's French counterpart Barthelemy (Bernard Fresson) is appalled by his demeanor, shouting "What do you know about Marseilles? You think it's *Harlem*, just kicking Blacks around the street?!" But by the end Doyle has virtually won them over with his "Dirty Popeye" tactics. No Oscars here. **—JW**

Duel

1971/1973. Dennis Weaver; dir. Steven Spielberg. Digital mono, cc. (PG) 90 min. CLV 2 sides $34.98. MCA/Universal.

Before the imposing dinosaurs of *Jurassic Park* or the cute alien in *E.T.*, there was *Duel*, director Steven Spielberg's first feature-length film. Shot in 16 days in California's Soledad Canyon, the $450,000 TV-movie shows Spielberg at his stripped-down best: 90 minutes of well-crafted suspense as an everyman hero confronts a deadly killer. The novelty is that the villain is an unseen truck driver, who for reasons unknown is trying to kill suburban commuter David Mann (Dennis Weaver) on an isolated desert highway.

An existential B-movie, with the car-culture man coming up against a nightmare foe—the unstoppable truck—the tale shows Spielberg's influences: Hitchcock by way of *The Twilight Zone* (*Zone* scripter Richard Matheson even penned the screenplay for *Duel*). But the director handles the camera like an old pro, milking the thin plotline brilliantly with skewed angles, warped lenses, quick cutting and just enough characterization to make the whole thing believable. The movie was Spielberg's ticket to the big screen, too: rave reviews, a 1973 European theatrical release (adding 15 minutes of footage, included here), and a couple of awards led to the director's first feature, *The Sugarland Express. Duel* may be pulp stuff, but it works remarkably well. **—TS**

The Commancheros

1961. John Wayne, Stuart Whitman, Ina Balin; dir. Michael Curtiz. Digital stereo, letterboxed. (NR) 107 min. $59.95. FoxVideo.

The Commancheros is not well remembered, and with good reason—compared with many other John Wayne movies, it seems flabby and awkward, veering uncomfortably between grim seriousness and jokey cheerfulness. Moreover, it dates from a time when its star was beginning to slip into self-parody—not yet at the level seen later in *McLintock!*, but getting there. Elmer Bernstein's relentlessly upbeat score, in particular, fits neither the star nor the story, which involves a Texas Ranger hunting a gang of gunrunners. But considering that director Michael Curtiz was working so slowly on this film that Wayne had to take over his duties, we're probably getting off easy.

The letterboxed transfer is splendid, crisp, clean and bright, with perfect fleshtones. The disc also features secondary-audio interviews with co-stars Stuart Whitman, Michael Ansara, Patrick Wayne and Nehemiah Persoff, but their recollections are neither well edited nor scene specific.

Only John Wayne completists will regard *The Commancheros* as a must-own disc. Fox would do much better to work on such neglected titles as *The Bravados, Night People* and *Between Heaven and Hell.* **—Bruce Eder**

Ties That Bind: Director Carl Franklin's *Laurel Avenue* explores the tangled lives of a large, extended family.

TELEVISION

Laurel Avenue

1993. Mary Alice, Mel Winkler; dir. Carl Franklin. Surround, cc. (NR) 160 min. priced for rental. HBO.

On paper, the concept of a filmmaker as talented as Carl Franklin following the gritty triumph of *One False Move* with a made-for-cable mini-soap seems the stuff of lather itself. On screen, the reality of *Laurel Avenue* is evidence that Franklin has not simply triumphed again, but with writers Paul Aaron and Michael Henry Brown, possibly set a new standard for television drama.

Laurel Avenue covers a single weekend in the lives of the Arnett family. At first glance, the characters seem overly familiar. But despite some musty personae—like humorless matriarch Maggie (Mary Alice)—the majority are agreeably deep. The extended family covers three generations and samples every success and failure available to the Black middle class—and the bottom line is that Maggie and husband Jake (Mel Winkler) haven't got a clue when it comes to the complexities their children have to deal with. As *Laurel Avenue* progresses, the classic family bond turns out to be a real tangle.

By virtue of its St. Paul setting, *Laurel Avenue* avoids the visual cliches of the N.Y./L.A. "inner city" axis, and, excepting one minor subplot, race is virtually ignored as a source of conflict. But the success of *Laurel Avenue* is not about avoiding issues or tweaking expectations. What makes *Laurel Avenue* unique is Carl Franklin's ability to synergize conflict rather than contrive it.

—John Walker

An Englishman Abroad

1983. Alan Bates, Coral Browne; dir. John Schlesinger. Mono. (NR) 61 min. $19.98. FoxVideo.

A Question of Attribution

1991. James Fox, David Calder; dir. John Schlesinger. Mono. (NR) 71 min. $19.98. FoxVideo.

These short BBC features about real-life Britons who spied for the Soviet Union, both written by Alan Bennett and directed by John Schlesinger, are smashing television. *An Englishman Abroad* is particularly good. It chronicles the 1958 meeting in Moscow between actress Coral Browne (playing herself) and Guy Burgess, living there in exile. Burgess prevails upon her to help him obtain a new wardrobe from his old London tailors; out of humanity and pity, she does so. Alan Bates reveals a complex character beneath his messy, eccentric English exterior. Browne is quite good at the comedy of English manners and Cold War paranoia that Bennett and Schlesinger have turned her narrative into. This meditation on nationality and identity, done in telling short strokes, is simply a must see.

Sir Anthony Blunt, master of the Queen's pictures, was in the same espionage ring as Burgess but wasn't exposed until years later. *A Question of Attribution* concentrates on a cat-and-mouse game between Blunt (James Fox) and the intelligence functionary (David Calder) assigned to make him either come clean or face the consequences. While not as richly entertaining as *Englishman*, this film's wordplay, on life, art, reality, fraud and responsibility make it a feast for the intellect. The episode of Blunt's encounter with the Queen (Prunella Scales) is deft and hilarious.

You're not going to find many better examples than these of what good actors and directors can do with material scripted by someone who can actually *write*.

—Sol Louis Siegel

KIDVID

Really Wild Animals

1994. "Swinging Safari," "Wonders Down Under," "Deep Sea Dive." Stereo, cc. (NR) 45 min. each. $14.95 each. National Geographic.

It's such a great idea, the only real surprise is that they didn't do it sooner. National Geographic has dipped into its huge library of amazing animal footage and put together an expertly appealing trio of tapes aimed at goosing the curiosity of the littlest explorers. (They claim to be skewing to ages four to eight, but easily could have added a year or two on either end.)

True to the Nat Geo name, synonymous with classy "edutainment," the series offers stunning photography, alone worth the price of admission. But just to ensure snagging the tykes, it's combined here with zippy graphics and fast-paced edits; an animated host, voiced by a boisterous Dudley Moore; and musical segments set to catchy tunes that could nestle comfortably on Top 40 radio. The writing, full of easily-absorbed factoids from the "Oh-wow!" school, also engages kids of all ages with clever comic twists, like a traffic report on elephant migration.

As you've probably gleaned from the titles, this initial set focuses on the creatures of Africa, Australia and the world's oceans. Each offers particular pleasures, but the cut-above songs of "Swinging Safari" would make it this reviewer's choice for your initial introduction. But I bet you can't just watch one!

—MM

UNITED VIDEO & CAMERA EXPRESS

Overnight Delivery Available!
Open 7 Days 9-11
Our Sales People are the Most Knowledgeable in the Business

For Orders 1-800-448-3738 *We Sell Pal & SECAM*

Info 212-247-7606 • Fax 212-582-3034 • 724 Seventh Avenue, NY, NY 10019

SONY

Hi 8

TR-101
FEATURES:
- 10:1 Zoom
- Digital Superimposer
- Digital fader
- Steady Shot

$988

FX-620
FEATURES:
- 10:1 Zoom
- Digital Superimposer
- Stereo

$628

FX-520 .....$549

CCD-SC5
FEATURES:
- 3" Color LCD
- Full Auto
- Digital Fade
- Built-in Speaker w/ Volume Control
- 10:1 Zoom

$639

Hi 8

TR-500
FEATURES:
- Steady Shot
- Color VF
- Hi-Fi Stereo
- 10:1 Zoom
- Lithium Ion Battery

Call

Rated #1 Mail Order Company — United Express Quality Assurance

COLOR VF

TR-65
FEATURES:
- 10:1 Zoom
- Stereo
- Color VF

$688

Hi 8

CCD-VX3
- 3 CCD Chips
- Hi-Fi Stereo
- 10:1 Zoom

$2688

TR-61
FEATURES:
- 10:1 Zoom
- Built-in Wide Angle Lens
- 4 Mode Prog.
- Wireless Rem.

$588

COLOR VF

TR-91
FEATURES:
- 10:1 Zoom
- Steady Shot
- Color VF

$829

RICOH

Hi 8

R-18H
FEATURES:
- 10:1 Zoom
- Digital Superimposer
- Digital fader
- Steady Shot
- 6 YR. WARRANTY

CALL

R-17C
FEATURES:
- 10:1 Zoom
- Steady Shot
- Color VF
- 6 YR. WARRANTY

CALL

R-16
FEATURES:
- 10:1 Zoom
- Bit-in Wide Angle Lens
- 4 Mode Prog.
- Wireless Rem
- 6 YR. WARRANTY

CALL

Panasonic

PV-S63
FEATURES:
- Super VHS-C
- Steady Shot
- 20:1 Zoom

$988

PV-53 .....Call
PV-43 688

PV-IQ503
FEATURES:
- Hi-Fi Stereo
- Color VF
- VHS-C
- Auto Everything

$669

PV-IQ403 588
PV-IQ303 568

PVS-770
FEATURES:
- Full Size VHS
- Super VHS
- Digital Effects
- Light

$959

PV-760 .....Call
PV-750 .....Call

PV-810
FEATURES:
- Full Size VHS
- Auto Focus
- High Speed Shutter

CALL

PV-800 .....Call
PV-704 .....Call

AG-455
FEATURES:
- 12:1 Zoom
- Hi-Fi Stereo
- 1 Lux
- Auto
- High Speed Shutter

$1588

AG-195 .....Call
AG-450 .....Call

AG-3
FEATURES:
- 3 CCD Chips
- Steady Shot
- Top of the Line Compact

$2498

WV-D5100 .....Call
WV-F250 .....Call

JVC

SVHS-C

GR-SZ1
FEATURES:
- 22:1 Zoom
- EIS Stabilizer
- Color VF

$1288

GR-SX90 .....Call
GRAX-75 .....Call

VHS-C

GRM-7
FEATURES:
- Fully Auto
- Manual Mode
- Animation
- Titling

CALL

VHS-C

GRAX-35
FEATURES:
- High Speed Shutter
- 10:1 Zoom
- Assemble Edit

CALL

GR-AX55.....CALL

HITACHI

Hi 8

VMH-39A
FEATURES:
- 64x Zoom
- Digital EIS
- Special F/X
- Color VF

CALL

VMH-38A.....Call

Hi 8

VM-57A
FEATURES:
- 16:1 Zoom
- Stabilization
- Hi-Fi Stereo

CALL

VME-55A .....Call
VME-53A .....Call

VMS 8200A
FEATURES:
- Full Size S/VHS
- Industrial Optics

CALL

VMS-2600A.....Call
VMS-1600A.....Call

Canon

Hi 8

L2-PRO
FEATURES:
- 15:1 Zoom
- Time Code Edit
- Digital Effects

CALL

USC-5
FEATURES:
- Digital Effects
- Steady Shot
- 410,000 Pixels

CALL

USC-3 .....Call
USC-2 .....Call

E-520
FEATURES:
- Built-In Light
- Fully Automatic

CALL

E-250 .....Call
E-350 .....Call

VIDEO ACCESS

WJ-MX30 WJ-AVE 7

$2195 CALL

Editmaker/Titlemaker

$498 $388

Thumbs Up Colorwriter

$168 $198

JXT-66/88 VIDEO TITLER **JXS-V55** PRODUCTION CENTER

$178/$268 $398

RCA

PRO-830
FEATURES:
- 10:1 Zoom
- 1 Lux
- Flying Eraser Head

$788

SHARP

Hi 8

VLH-100U
FEATURES:
- 4" LCD Disp
- 8:1 Zoom
- Digital Effects

CALL

VL-H400.....NEW
VL-30.....$100 Mfg. Rebate
VL-40.....$150 Mfg. Rebate
VLH-100 ..$200 Mfg. Rebate

TOP 10 VCR'S

Panasonic PVS-4380 ....$709
Panasonic PV-4362.....$368
Hitachi VTF-462 .....CALL
Hitachi VTF-362 .....CALL
Sony SLV-900 HF $419
Sony SLV-750 HF $389
RCA VR-720 HF .....CALL
RCA VR-667 HF .....CALL
JVC HRS-6900.....CALL
JVC HRD-700 .....CALL

BENTLEY

Diver's Choice Award

CALL

Pro Edit 5

CALL

Citizen Monitor

$148

WIRELESS MICS
WMS-PRO $148
WHX-PRO $178
WR2-PRO .....$178 151-VR $138
WMS-200.....$88 151-HT $178
BOOM MICS 351-VR $188
ECZ-990.....$68 551-PRO .....Call
ECS-440 .....$48 SBM-500 Boom..$68

WJ-MX50 TOP OF THE LINE **SPM-4/1**

CALL

STEADICAM JR **APT-200**

$388 $128

Return or exchange may be made within 7 days after prior authorization. All returned merchandise must be in original new condition and include blank warranty cards. Returns are subject to a 5% re-stocking fee. Shipping & handling non-refundable. Underwater equipment non-refundable. We reserve the right to limit quantities. USA warranties may be additional. This ad valid for month of issue. Not repsonsible for typographical errors. Customer service 212-247-5980 Mon-Fri 9am-5pm e.s.t. Allow 2 to 4 weeks for back orders, or special orders.

Circle 20 on Reader Service Card.

DIRECTORY

On to Akaba!: Omar Sharif, Peter O'Toole and Anthony Quinn dressed to kill in *Lawrence of Arabia*

HIGHLIGHTS

Ashes and Diamonds
1958. B&W. Zbigniew Cybulski, Ewa Krzyzanowska; dir. Andrzej Wajda. In the last film in Wajda's war trilogy, a partisan finds he must go on killing after war has ended when communists come to power. Mono, subtitled. (NR) 104 min. VHS only, $24.95. Public Media.

Il Bell'Antonio
1960. B&W. Marcello Mastroianni, Claudia Cardinale; dir. Mauro Bolognini. Rarely seen story—co-written by Pier Paolo Pasolini and Gino Visentini—about the survival of sex, love, marriage and machismo all in the face of impotence. Mono, subtitled. (NR) 115 min. VHS only, $59.95. Kino.

Blood in...Blood Out
1993. Jesse Borrego, Benjamin Bratt, Enrique Castillo; dir. Taylor Hackford. Chicano cousins take three different roads—military and drug enforcement, the gangs of San Quentin, art and drug addiction—but their lives continue to intertwine, bound by blood. Surround. (R) 180 min. VHS priced for rental. LD $34.95. Hollywood Pictures.

Dr. Bethune
1993. Donald Sutherland, Helen Mirren; dir. Phillip Boros. Epic biopic of Canadian missionary who is swept up in the civil war in China during Mao Tse-tung's long march to escape destruction of the revolutionary army. (NR) 115 min. VHS only, $92.98. Fox Lorber.

Fortress
1993. Christopher Lambert, Loryn Locklin; dir. Stuart Gordon. "The Year is 2017. The First Child Is Yours. The Second Is Theirs." Only this couple lose their first-born, break for the border with the expected second, and end up in cyber prison hell where there is much action and special effects. Stereo. (R) 95 min. VHS $92.98. LD $34.95. LIVE.

A Generation
1955. B&W. Tadeusz Lomnicki, Urszula Modrzynska, Roman Polanski; dir. Andrzej Wajda. First of Wadja's war trilogy concerns the hardening experience a young man goes through while fighting with the resistance in occupied Poland. Mono, subtitled. (NR) 85 min. VHS only, $24.95. Public Media.

Il Grido (The Outcry)
1957. B&W. Steve Cochran, Alida Valli, Dorian Gray, Betsy Blair; dir. Michelangelo Antonioni. Early, proletarian version of archetypal Antonioni theme: the trauma resulting from the sudden loss of intimacy, which inevitably leads to loss of purpose and identity. Mono, subtitled. (NR) 115 min. VHS only, $59.95. Kino.

Kanal
1957. B&W. Teresa Izewska, Tadeusz Janczar, Emil Kariewicz; dir Andrzej Wajda. Second of Wajda's war trilogy depicting the last days of the Warsaw uprising, when Polish resistance fighters fled to the sewers, only to be trapped there. Mono, subtitled. (NR) 96 min. VHS only, $24.95. Public Media.

Lawrence of Arabia
1962. Peter O'Toole, Omar Sharif, Alec Guinness, Jack Hawkins, Arthur Kennedy; dir. David Lean. Yet another laserdisc edi-

continued on page 70

Written by Josef Krebs

Labels For Less

Looking for a few good men? You'll find plenty this month, and they're all pretty cheap. The G in MGM has always stood for Gable, and this month there are 37 Clark Gable classics to chose from including *Comrade-X, San Francisco, Mutiny on the Bounty, The Misfits, Run Silent, Run Deep, Never Let Me Go, Test Pilot* and *Honky Tonk*, each at $19.98. The G also stands for *Gigi, Ginger and Fred, Gaslight, The Good Earth, The Goodbye Girl, Goodbye, Mr Chips* and *Grand Hotel*, at $19.98 each, *The Great Ziegfeld* at $29.98 and *The Great Train Robbery*, a steal at $14.95, but Gable ain't in any of them. If it's funny guys you're after, look no further than Columbia TriStar's *Mr. Saturday Night* (Billy Crystal), *Arthur* (Dudley Moore), *Being Their* (Peter Sellers), *Tom Jones* (Albert Finney) and *Groundhog Day* (Bill Murray).

Warner has always been a place to find tough guys and they don't act much tougher than squinting Clint. You'll find him in five *Dirty Harry* movies. He's here as *The Outlaw Josey Wales* and the *Pale Rider*. He's the one they call *The Man From Malpaso* (in a new documentary bio). He's Clint. You can have him in any of these films for $19.98, but if you're looking for someone a little different, try *The Bodyguard* ($19.98) and *Robin Hood: Prince of Thieves* ($24.96). He's the one they call Runs in Tights...or Mr. Costner. —JK

Marcello Mastroianni and Giulietta Masina in *Ginger and Fred*

HOME THEATER UPDATE

Just as its definition has evolved, **HOME THEATER** technology is on a rapidly changing upward spiral. In fact, so rapidly are things moving in this market that many audio manufacturers now claim that home theater is now a bigger part of their business than their traditional Hi-Fi base. Do you buy an **A/V RECEIVER** without some sort of **DOLBY** surround processing? Do you buy a television without the necessary inputs or without even considering the option of the wider **16X9** screens? Moreover, those **PROJECTION** sets are looking more attractive than ever, now that you're ready to attach them to a system that can match their **BIG PICTURE** with an equally big sound. The equipment options are numerous too, with **SPEAKER** manufacturers, in particular, gearing up to create full arrays with the traditional left and right stereo pair complemented by surrounds, **CENTER CHANNEL** speakers and a **SUBWOOFER** to rumble the bass. What's hot in home theater this month? This Home Theater Update offers you a quick overview of how much is changing and how much you can now choose from when readying to **INSTALL** the home theater system or your dreams.

Photo courtesy of CEDIA

THE PROTON 27" TV ADVANTAGE

If you've been searching high and low for a 27-inch monitor/receiver that's loaded with state-of-the-art features which will complement your home theater system, your quest is finally over thanks to the Proton NT-297.

Boasting a bevy of impeccable credentials, such as 600 lines of resolution, 181-channel cable compatibility, anti-glare glass filter, sleep/timer clock and comb filter, the NT-297 is an engineering accomplishment of the highest order.

Ensconced in a sleek black cabinet, the NT-297 is a viewer's dream come true. Picture-in-picture enables viewers to watch both of their favorite programs at the same time. Accented with a flat square screen, this unit is simply irresistible.

Hook-up via a component or camcorder is a snap with the easily accessible single front-panel audio/ video input and S-Video input.

When it comes to audio, the NT-297 delivers the goods and then some. Side-mounted biamplified speakers ensure precise audio reproduction. Furthermore, the monitor/receiver has a selectable movie/music/mono/bypass switch that allows for sound to be specifically tailored to the dynamics of the video source. And for more bottom-end, just flip on the heavybass subwoofer and X-bass enhancement switch and hear audio pump from the heavybass subwoofer. For those seeking even more of an extra wallop, there is an optional bass boost feature.

For more information, call (310) 404-2222 or use Reader Service #130.

A MONSTER IN YOUR HOME THEATER

Monster Cable Products, Inc., the leading manufacturer of high performance cables, has a host of new products to optimize your home theater.

The world's first audio cables made especially for Lucasfilm Home THX Audio Systems are now available in the Monster THX-certified line. As you may know, THX certification requires meeting or exceeding extremely high quality standards.

Also new from Monster are the SuperFlat and SuperFlat Mini speaker cables for home theatre. SuperFlat is designed to be low profile and ultra flexible for discrete Out-of-Wall™ cable installations.

And Monster's Video Mini MV3F is a miniature precision video cable that tucks neatly between carpet and along baseboards for "invisible" cable runs. It features a specially stranded flexible copper wire for ease of installation and a 90-degree F-pin connector for reduced strain and low profile RF connections.

For more information, contact Monster Cable at (415) 871-6000 or use Reader Service #131.

HOME THEATER UPDATE

JVC'S NEWLY DEFINED HI-FI VCR

If you've already gone through the task of assembling the best components for your home theater system, you shouldn't compromise one bit when it comes to purchasing a VCR. As a part of any home theater system, JVC's HR-VP612, a Hi-Fi VHS stereo VCR with built-in MTS, will no doubt take you well into the '90s courtesy of its long list of pleasing amenities.

When it comes to conveniences, the HR-VP612 is second to none. Leading the list of niceties is Instant ReView (which automatically powers up the unit, rewinds the tape to the start of the last recording and begins playback, all at the touch of one button) and the High Spec Drive offers a 33 percent faster rewind and fast-forward time. Other strengths which make for superb viewing are Index Search, Skip Search, VCR Plus+ with optional cable box controller, multi-brand remote, digital tracking, gold-plated front AV inputs, Digital AV tracking, and Extended Memory Backup.

The HR-VP612's plusses don't end there. Via its AV compulink, it unites video, television and Hi-Fi into an integrated system where the components actually communicate. Random Assemble Editing allows easy home editing between two VCR's, and thanks to Zero Frame Editing, scene transitions are perfect and glitch-free.

For more details on JVC's HR-VP612 use Reader Service #132.

JVC's HR-VP612 Hi-Fi VHS Stereo VCR

IT TAKES TWO FROM CARVER

When Carver searched to create a match made in "home theater heaven," they didn't have to look much further than their own product line. In true Carver style, the company paired together two of their most prominent models, the AV-405 power amplifier and the CT-27v A/V tuner/amplifier. As perfect complements to each other, these two products work together to create a home theater sound that is steeped in high quality fidelity and designer excellence.

The AV-405 is a five-channel amplifier for home theater that lives up to Carver's reputation for reliable, rugged audio components. Essentially a hard-driving energy machine, the AV-405 was designed with multiple energy reserves built into its circuitry in order to ensure maximum driving power. Even if all the channels — left, center, right, front and rear — are driven hard at maximum power, the AV-405 will uphold the workload without interruption, a feat that cannot be completed by just any power amplification component. Moreover, with a combined output of 410 watts (100 left, 110 center, 100 right front and 50 x 2 surround), the power of the AV-405's performance remains undisputed.

Dolby Pro Logic and five other surround modes are added to Carver's home theater equation courtesy of the CT-27v tuner/preamplifier. A time delay is also featured, enabling continuous adjustment from 0 to 90 milliseconds (or 15 to 30 milliseconds in Dolby Pro Logic mode). Of considerable note is the CT-27v's "Vocal Zoom" circuit, a new Carver-designed device which enhances dialog in the center channel. Picking up on the consumer's increasing interest in vocal effects in their home theater systems, Carver added the Vocal Zoom in order to allow users to vary the amount of emphasis across the vocal frequency range in the center channel.

Carver is strong in its belief that separate components, born of high quality, can create superb audio for video in the realm of Hi-Fi sound. With the union of the AV-405 power amplifier and the CT-27v tuner/preamplifier, they have lived up to their stringent home theater standards, set up, of course, by the most ardent home theater enthusiast.

For more information, use Reader Service #133 or call Carver at (206) 775-1202.

Carver's AV-405 Power Amplifier

FAROUDJA DOUBLES YOUR VISION

By combining the power of its own patented technologies, Faroudja Laboratories has perfected the ideal companion piece for high-quality video displays, the LD100. By using Faroudja's long experience in the fields of decoding, scan conversion, and bandwidth expansion, this new consumer video line doubler gives to the viewer an entirely new audio-visual experience, closer to 35mm film than to conventional video.

The LD100 accepts inputs from all conventional 525-line format sources (NTSC, S-VHS, Hi8) as well as RGB, and produces a "cinema-like" effect using the standard NTSC signal, delivering the maximum impact from the higher resolution home video formats. It is this unique experience that has won Faroudja an Emmy for its spectacular technology.

Faroudja's advanced technology is able to convert all video sources into line-doubled, artifacts-free, high-resolution signals. These signals can then be connected to a large screen direct-view TV display or projector. The LD100 also features manual front panel or remote control of brightness, contrast, color, tint and detail levels.

The LD100 is an exceptional product that gives to today's viewers a glimpse of the future and brings the viewing experience to a new and unusual level.

Use Reader Service #134 or call Faroudja at (408) 735-1492 for more information.

Faroudja's LD100 Line Doubler

The 8B NRB THX Amplifier from Bryston

BRYSTON'S SOUND GENERATION AMP

Home theater has raised the expectations of all audio/video enthusiasts. Not only do they now expect the pleasure a truly fine sound system can provide, they also expect the excitement of the theater.

That's why Bryston has made such a breakthrough commitment to this marketplace by providing the highest fidelity THX®-approved equipment, as well as a full 20-year warranty on its products, including its first multi-channel amplifier — the 8B NRB THX®.

This unique show of manufacturing confidence reflects the quality that Bryston has built into every unit they have ever sold. This new multi-channel amplifier is actually four separate 120W amplifiers on a compact rack mount chassis, providing state-of-the-art performance with the unquestioned quality, value and reliability for which Bryston is renowned.

The 8B NRB THX® meets all of Lucasfilm's stringent Home THX® certification parameters. Its four power suppliers prevent any signal interaction among the individual channels, providing a unique sonic sound stage that locks all images in position with an almost holographic effect. The amplifier can be instantly connected to provide two channel (400W output) three channel (two 120W, one 400W outputs) or four channels (120W output), providing maximum flexibility in any music and video configuration. What's more, the 8B NRB THX® is useful in any bi-wired, passive or active crossover-equipped loudspeaker system, even allowing you to drive the woofer and midrange drivers, for example, separately.

All connectors are gold-plated, and the unit accommodates all inputs including balanced XLRs, 1/4-inch phone, and unbalanced RCA connectors.

Bryston's 8B NRB THX® amplifier sets a new standard for excellence in the exciting new home theater marketplace, meeting or exceeding all performance criteria as well as serving the long-term needs of today's audio/video consumer.

For more information, contact Bryston at (415) 751-1764 or use Reader Service #135.

®THX is a registered trademark of LucasArts Entertainment Company.

HOME THEATER UPDATE

RDL SPEAKERS GIVE THE REAL VALUE

If you're searching for a compact, high-quality but inexpensive speaker setup for your home theater system, you need look no further than RDL. Available in a variety of configurations, RDL speaker models all use the unique pulsating dome tweeter that enhances the feeling of spaciousness characteristic of home theater sound.

The basic unit of RDL's home theater systems is the AV-1, in a small, (11 5/8 in. high by 7 1/4 in. wide by 4 1/4 in. deep, overall) black-lacquered cabinet. The AV-1 can be inconspicuously placed on a table or shelf, on a TV receiver, or even hung on a wall using the hardware supplied. It contains a low-resonance long-travel 4 1/2-inch woofer/midrange driver and Roy Allison's pulsating-dome tweeter, both magnetically shielded to prevent video screen interference.

Ideally, speakers for a home theater system should be all of the same model, and the AV-1 is well-suited for this purpose. It is a low-distortion, wide-range speaker suitable for use as center-channel, surround, and main speakers. As main speakers, their low-frequency performance can be extended with the W-1 stereo woofer system, a 1-foot cube that can be placed anywhere because it carries no directional information — only the extra impact of theater bass and sound effects.

All told, five AV-1 satellites, preferably used with a W-1 woofer, constitute a fine, tonally-matched and inexpensive speaker complement for a home theater system. The price for the set is $680. If you already have a stereo pair of speakers you wish to use as main speakers, or if you'd prefer to use a larger pair of RDL speakers as mains, you only need three AV-1s to complete the set. The price of a set of three is $295. These systems are sold only factory-direct; the prices contain no retail markup.

For more information on these RDL products, as well as the full product line, call them at (800) 227-0390 or use Reader Service #136.

RDL's AV-1 and W-1

TUNE INTO ADCOM HOME THEATER

Adcom's GTP-600 Tuner/Preamplifier

Adcom's GTP-550 and GTP-600 high-performance surround sound tuner/preamplifiers bring exciting audio and video excellence to the home theater. Both models feature Adcom's proprietary Cinema processing that closely approximates the sound of a large theater.

Cinema mode adds several signal processing techniques to Dolby Pro Logic decoding including front channel equalization and diminishing multiple delays through the surround speakers. Furthermore, an additional 5-channel stereo mode provides exceptional image stability for music enjoyment even when the listener is far off-axis from the ideal listening position.

Both models provide switching for up to four audio and four video sources. Extensive cross-dubbing capabilities allow easy recording of all sources. Also, the GTP-550 and GTP-600 are equipped with user-friendly controls that make it a snap to use. Three logically organized control groups are clearly positioned for total ease of operation.

The GTP-600 offers high-definition S-video connectors to supplement standard composite video inputs and outputs. It also has a "smart" on-screen display allowing for status checks on input selection, mode and delay choices, and other system operations. The supplied learning remote operates both the GTP-600 and up to eight other components for total system flexibility. The GTP-600, which has gold plated jacks, retails for $1000 and the GTP-550 with nickle-plated RCA jacks sells for $800. For more information, call Adcom at (908) 390-1130 or use Reader Service #137.

Energy's RVS-2 Loudspeaker

THE HIGH ENERGY SOUND SOURCE

Energy loudspeakers are the perfect choice for video connoisseurs with discerning ears.

For the ultimate in audio satisfaction, the sonically identical RVS-1 and RVS-2 are high-performance, bookshelf-size models that are available separately or as a package. These new RVS models provide balanced performance for the left, center, and right channels in perfect sync with the video presentation.

The new RVSS combination dipole/bipole surround speaker blends naturally with the RVS-1 and RVS-2 for superb effects.

Since deep bass is a vital part of every home theater system, Energy offers two powerful and dependable active subwoofers. The 90-watt AS-90 and 180-watt AS-180 both feature 12-inch woofers and an audio/video mode selector. The Video mode adds impact to deliver thunderous bass to add realism to movies, and the Audio position ensures smooth response for superb reproduction of your favorite music.

Visit your nearest Energy dealer to audition these speakers or use Reader Service #138 to get more information.

CALL THE NO BULL . . . . HOTLINE

ALL EQUIPMENT IS U.S.A. WARRANTED AND FACTORY FRESH

No Come Ons — No Floor Samples
No Bait and Switch

OPEN 7 DAYS 9am-8pm

1-800-NO-BULL-94

(1-800-662-8559) Also Good From Canada

"WE ACCEPT ALL MAJOR CREDIT CARDS C.O.D. NO EXTRA CHARGE" Technical Information 1-908-651-8400

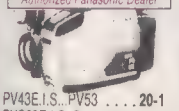
AUTHORIZED DEALER FOR ALL MAJOR BRANDS

SONY Panasonic JVC Canon PIONEER LaserKaraoke MITSUBISHI TOSHIBA aiwa HITACHI PHILIPS RCA SHARP Cerwin-Vega! JBL ADVENT BOSE STEADICAM JR MINOLTA Atlantic TECHNOLOGY PINNACLE AZDEN NADY DCI DESIGN ACOUSTICS RICOH YAMAHA FUJI & MANY MORE

WE WILL NOT BE UNDERSOLD BY ANY AUTHORIZED DEALER

Panasonic

Authorized Panasonic Dealer



PV43E.I.S..PV53 20-1
PVS63E.I.S. Super . . . 20-1
PVIQ303 . . . . . NEW
PVIQ403CLR . . . . . NEW
PVIQ503H.F.CLR . . . NEW

WE WILL NOT BE UNDERSOLD

PV800-PV810 . . . . . NEW
PV760 w/c E.I.S. . . . NEW
PVS770 w/cSPRDGTL . . NEW

VCRs

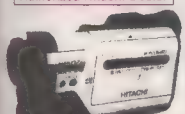
PV2301 . . . . . 2 HD
PV4301,4314 . . . 4 HD
PV4351 . . . . . 4 HD HF
PV4361,62 . . . 4 HD HF
PVS4366 . . SUPER JOG
PVS4380 . . SUPER TBC
ALL OTHERS . . CALL

INDUSTRIAL

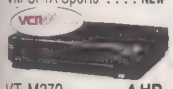
AG3P . . . . . 3 CHIP
AG195 . . . . . CALL
AG455 . . . . . SVHS
AG460 . . . . . SVHS
AG1970 . . . . . SVHS
WJMX-30 . . . . . MIXER
WJMX-50 . . . . . MIXER
WJAVE-1 . . . . . MIXER
WJAVE-5 . . . . . MIXER
AGA96 . . . . . CTRL

HITACHI

Authorized Hitachi Dealer



VM1600 . . . . . VHS12X
VM2600 . . . . . VHS24X
VMS8200 . . . . . SUPER
VM-E 53A . . 8MM 16X
VM-E55A . . . . 16X EIS
VM-H57A . . . . HI-8 EIS
VM-H38A . . . . HI-8 EIS
VM-H 39A . . HI-8 EIS CLR
VM-SP1A Sports . . . . NEW



VT-M270 . . . . . 4 HD
VT-M272 . . . 4 HD VCR+
VT-F370 . . . . . 4 HD HF
VT-F3724 HD HF VCR+
VT-F5514 HD LOADED
FTS-S 772 SUPER LOADED
ULTRA VISION . . CALL

JVC

Authorized JVC Dealer

GRAX25U 10XZOOM
GRAX35U . . . ASSBL EDT
GRAX55U 10XZOOM
GRAX75U E.I.S. . . . . NEW
GRS-Z1 E.I.S. MINI SUPER

#NV55BXA LOWEST PRICE! CALL

HR-J 400 . . . . . 4 HD
HR-VP 404 . . . 4 HD VCR+
HR-J 600 . . . . . 4 HD HF
HR-VP 604 . . . 4 HD VCR+
HR-VP606 4HFVCR+CBL
HR VP700 . . . LDED+F.E.H.
HRS 4900 . . . . . SUPER
HRS6900U . . . SPR LDED

JVC SPECIAL F X

JXS 100 . . . . . WE'LL
JXS300 . . . . . BEAT
JXVSV55 . . . . . YOUR
JXS900 . . . . . BEST
JXT66-JXT88 . . . . PRICE

RCA

Authorized RCA Dealer

PRO 808 . . . . . 8X
PRO 838 . . . . . 10X
PRO 840 . . . . . 12X
PRO 930 . . . . . 16X
CC 412 . . . . . 12X VHS
CC 540 . . . . . 24X VHS
CC 174 . . . . . 10X C
CC 178 . . . . . 10X C/MT
CC 188 . . . . 10X CW/LIT
CC 190 . . . . 20X C E.I.S.

VCRs

VR 501 . . . . . 4 HD
VR 506 . . . . . 4 HD
VR 526 . . . . . VCR+
VR 537 . . . . . VCR++
VR 601 . . . . . 4 HD HF
VR 664 . . . . . HF VCR++
VR 720 . . . . . SVHS
VR 800 . . . . 8MM VCR HF

AUTHORIZED SONY DEALER 1994

SHARP

Authorized Sharp Dealer

UP TO $200 REBATE!

VLHL100UVIEWCAM.HIBAND
VLL63 SLIMCAM . . . VHS
VLE40U . . . . . VIEW
VLE30U . . . . . CAMS
ALL OTHERS . . . . . CALL
ALLVIEW CAM ACC. IN STOCK

VCRs

VHC 68U . . . . . 6 HD
VHC 98U . . . . . 8 HD HF

TOSHIBA

Authorized Toshiba Dealer

M 249 . . . . . 2 HD
M 449 . . . . . 4 HD
M 459 . . . . . VCR++
M 649 . . . . . 4 HD HF
M 659 . . . . . VCR++
M 759 . . . . . LOADED

GO VIDEO ~~$749~~ $539 ALL MODELS CALL

STEADICAM JR

Too name in camcorder stabilizations!

NEW LOWER PRICE

VIDEO PRINTERS

PANASONIC PV-VP1
SONY CVPM3

PAL & MULTI SYSTEMS CAMCORDERS VCR'S T.V.'s CALL

VIDEONICS The Video Editing Company

DIGITAL VIDEO MIXER
VIDEO EDIT MIXER B D
VIDEO TITLE MAKER E E
VIDEO EQUALIZER S A
BOING BOX T L
THUMBS UP S

Canon

Authorized Canon Dealer

Special! UC1 $549 While They Last!

L2 HI 8 . . . . . CALL
A1 DIGTL HI 8 . . . . CALL
UCS-2 Hi 8 . . . . . CALL
UCS-3 Hi 8 . . . . . CALL
UCS-5 Hi 8 . . . . . E.I.S.
UC-1 MINI . . . . . CALL
UC-20 MINI . . . . . CALL
E520 W/LITE . . . . . CALL
E700 W/LITE . . . . . E.I.S.
E 250 12-1 E350 . . . . NEW
E-67 O-10 Hi Fi . . . . CALL

FUJI

Authorized Fuji Dealer

Camcorders

F120 SW . . . . . CALL
F122SW . . . . . CALL
F128 Hi 8 . . . . . CALL
P401U 40" LCD . . . . CALL
P701U 70" LCD . . . . CALL

MINOLTA

Authorized Minolta Dealer

Be Safe, Not Sorry! CALL US WITH YOUR BEST MINOLTA CAMCORDER PRICE... WE'LL BEAT IT!

RICOH

Authorized Ricoh Dealer

PAL & MULTI SYSTEMS

SIMA ALL ACCES.
NADY AZDEN

101HT..CALL WMSPRO..CALL
101LT..CALL WHXXPRO. CALL
151LT..CALL WLXPRO. CALL
151HT..CALL ECZ990..CALL
351HT..CALL ECS440..CALL
351LT..CALL VE-100 Edit. EQ

LASER PLAYERS

Multi Laser

SONY

PANASONIC LX 101,600
PANASONIC LX 900 TBC
PANASONIC LXK 700
PIONEER KARAOKE
SONY KARAOKE
4, 10, 28 SONG DISCS

PHILIPS

PHILLIPS CD I AT A NEW LOWER PRICE CALL NOW! ALL SOFTWARE AVAILABLE

PIONEER

ALL MODELS . . . . . CALL
SONY KARAOKE
PANASONIC KARAOKE
JVC KARAOKE

4 SONG • 10 SONG
28 SONG
LASER DISCS IN STOCK

PAL & MULTI SYSTEMS ALL BRANDS

VOICE ACTIVATED REMOTE

VP 8000 $149

CAR STEREO

ALL CAR AUDIO

PIONEER . . . . . CALL
ADVENT . . . . . CALL
A/D/S . . . . . CALL
ALPINE . . . . . CALL
BELL RADAR . . . . . CALL
BLAUPUNKT . . . . . CALL
INFINITY . . . . . CALL
JBL . . . . . CALL
JVC . . . . . CALL

HOME THEATRE

AUTHORIZED SONY DEALER 1994
AUTHORIZED PIONEER DEALER 1994
AUTHORIZED Panasonic DEALER 1994
AUTHORIZED JVC DEALER 1994
AUTHORIZED JBL DEALER 1994

KENWOOD . . . . . CALL
ONKYO . . . . . CALL
JVC DIGIFINE . . . . . CALL
AIWA . . . . . CALL
YAMAHA
ALL MAJOR BRANDS
ALL A/V RECEIVERS
ALL LASER PLAYERS
ALL CASSETTE DECKS
ALL SPEAKERS
ALL MINI SYSTEMS
ALL T.V.'s

MINI DISC

• SONY • SHARP • AIWA

SPEAKER LINEUP

ADVENT . . . . . CALL
ROSE . . . . . CALL
CERWIN VEGA . . . . CALL
INFINITY . . . . . CALL
DESIGN ACOUSTICS . . CALL
JBL . . . . . CALL
HIGH END SPEAKERS CALL
ATLANTIC TECHNOLOGY

MINI SYSTEMS

AVAILABLE FROM JVC, YAMAHA, AIWA, PANASONIC, ONKYO, KENWOOD AND MORE...

JVC

MSX2 . . . . . CALL
MXS4 . . . . . CALL
MXC5 . . . . . CALL
MXC9 . . . . . CALL
UXA4 . . . . . CALL
UXT1B . . . . . CALL

SONY TOSHIBA Panasonic SHARP PIONEER MITSUBISHI

RCA JVC HITACHI ALL OTHERS CALL

DIRECT VIEW 8" TO 35" PROJECTION 40" TO 70" LCD PROJ. 2" TO 150" TV/VCR COMBO

TOSHIBA

CF13C20	CF30C50
CF19C20	CF32C40
CF20C27	CF32C50
CF20C30	CF32C80/81
CF20C40	CF35C40
CF27C68	CX35C60
CF27C30	CX35C80/81
CF27C40	TP48C50/51
CF27C50	TP48C70/71
CF30C40	TP55C80/81

JVC

13 TO 20" ALL MODELS

AV27BM4	AV31BX4
AV27BP4	AV35BP4
AV27BX4	AV35BH4
AV31BM4	AV35BX3
AV31BP4	
NV55BX4 PROJ.	

RCA

13 TO 20" ALL MODELS

F27671SE	F31700GG
F27631SF	F31631SE
F27230EM	F35730ST
F27730EM	F35750ST
F27700MG	F35700SB

ALL CONSOLES
P52755ST
ALL OTHERS CALL

PANAMAX SURGE PROTECTORS
A Must for HOME THEATRE

ELECTRO WORKS

OUR NEW SUPERSTORE LOCATION
545 HWY. 18, E. BRUNSWICK, NJ 08816

24 Hour Fax Order Line 1-908-651-0331

Technical Information 1-908-651-8400

For Orders Only 1-800-662-8559

WE WILL NEVER BE UNDERSOLD BY ANY AUTHORIZED DEALER!

All merchandise shipped factory fresh. Returns O.K. within 7 days exactly as received. Shipping and handling non-refundable. Call for return authorization number. Subject to re-stocking fee. Merchandise subject to price and availability changes. Service only after sale. All prices include a cash discount and reflect rebates where applicable. All orders accepted at management's discretion. Pictures are for illustration only. All time of order only. **Does not apply to Freight or Foreign Deliveries. Prices in store may vary.

Circle 21 on Reader Service Card.

continued from page 59

tion of all-time great includes documentary *Wind, Sand and Star—The Making of a Classic*. Surround. (PG) 238 min. LD letterboxed $49.95. Columbia TriStar.

Needful Things
1993. Max von Sydow, Ed Harris, Bonnie Bedelia, Amanda Plummer; dir. Fraser C. Heston. More American Gothic adapted from the Stephen King best-seller. Should at least get year's best trailer award. Stereo. (R) 113 min. VHS priced for rental. LD $39.95. New Line.

On the Waterfront
1954. Marlon Brando, Karl Malden, Lee J. Cobb, Rod Steiger, Eva Marie Saint; dir. Elia Kazan. Three great supporting performances, a great and quotable script, Kazan at his best, great icy-sharp black and white photography, wonderfully intense score by Leonard Bernstein and maybe Brando's finest performance. The film got 8 Oscars but Bernstein, Cobb, Steiger and Malden each shoulda got one too. Mono. (NR) 108 min. LD $34.95. Columbia TriStar.

So I Married an Axe Murderer
1993. Mike Myers, Nancy Travis; dir. Thomas Schlamme. New Beat poet falls for butcher babe, but is she really Mrs. X the axe murderer? Surround. (PG-13) 93 min. VHS priced for rental. LD $34.95. MCA/Universal. ■

THX ON TRIAL

continued from page 60

lar, the Mirage center speaker produces very clear dialog. If voice intelligibility is the be-all and end-all for you, THX is the way to go, but realize that you give up imaging to get that.

• *Timbre-matching.* Where the THX front speakers really excel is in their timbre-matching. Because the three speakers are identical, they sound the same (although positioning the center speaker atop a TV makes it sound slightly different). And the front speakers match well with the surrounds, too. The M&K systems are the best example of this. No matter if the THX front speakers or the S-90s are used, the soundfield is completely natural, and sounds move around without noticeable changes in timbre. This is a *big* plus for movies.

With the non-THX systems, the sound—especially voices—changes noticeably as it moves among the front speakers, even though the front speakers we used were pretty well-matched. And sounds generally don't move smoothly from the front to the surrounds—they just suddenly appear in the rear, making the effect less natural.

The exception to this rule is the Mirage system with the Energy surrounds. The nearly omnidirectional dispersion of the main speakers, coupled with the 90-degree dispersion of the surround speakers, seems to make sounds panned from front to back blend better between the dissimilar speakers. Really, the B&W 803/805 and Energy systems aren't *bad* blends with their surround speakers, but they definitely sound a bit disjointed in direct comparison with THX systems.

• *Surround soundfield.* Some high-end speaker manufacturers have criticized Lucasfilm's dipolar surround speaker approach, but we think it's a winner. However, you can get a similar result by positioning two conventional speakers back-to-back in the rear of the room, or by positioning them at the sides and aiming them at the upper rear corners of the room. Or you can use non-THX bipolar or dipolar speakers, like the Energy models. Any of these approaches creates a diffuse surround soundfield and keeps the surround speakers from blaring into your ears.

These approaches definitely sound different, but we think the blend between the main and surround speakers is more important than how the surround speakers sound. With THX, this is a given; with other manufacturers, it's only a possibility.

• *Subwoofers.* The THX subwoofers from M&K and B&W trashed the competition here. In our room, the B&W has a punchier, tighter sound; the M&K sounds a bit softer and warmer. We enjoyed using both—which is better depends on your home theater room, program material and personal taste. The JBL and Energy subs sound pretty good, but with considerably less punch and power than either of the expensive THX subs. (We prefer Energy's smaller, $550 AS-90 sub to the AS-180—it offers less low bass, but a tight, punchy sound that makes it our favorite inexpensive sub.)

• *Cosmetics.* The average home theater enthusiast has a tough time squeezing a big home theater system into a normal living room without making it look like a recording studio. In this respect, THX presents problems, the biggest of which is that the center speaker has to stand straight up.

If you have a ceiling-mounted front projector, this is not a problem—just put the speakers in a row on the floor. Or with any front projector, you can

continued on page 88

Is your Cable Company Alienating You?

Say NO to unearthly rental fees!

Owning your cable equipment saves you the high cost of monthly equipment rental charges, and gives you control of your TV.

We have the *Best* in

CONVERTERS and DESCRAMBLERS!

Everquest • Panasonic • Jerrold • Zenith • Pioneer
Scientific Atlanta • Oak • Eagle • Hamlin • Tocom

1 800 624-1150

DISCOVER VISA MasterCard

FREE Catalog!

MD Electronics

875 S. 72 Street • Omaha, NE 68114

NCCA
Member of National Consumer Cable Association

Circle 22 on Reader Service Card.

BEACH CAMERA OF MAINE

25 Yrs Experience

POPULAR PHOTOGRAPHY CHECKRATED STORE

EXPRESS SHIPPING AVAILABLE

SATISFACTION GUARANTEED IN 15 DAYS OR YOUR MONEY BACK !!

At Beach Camera most orders are processed within 20 hrs, New Jersey Residents add 6% sales tax.

TOLL FREE ORDERS ONLY 1-800-634-1811

ANYWHERE IN U.S., HAWAII, ALASKA & CANADA

In N.J., CANADA & OVERSEAS 1-908-424-1101
FOR INFORMATION 1-908-424-1101
24 HOUR FAX ORDERS 1-908-424-1105
CUSTOMER SERVICE 11am-5pm 1-908-424-1103

OPEN SUNDAYS

Send All Mail Orders To The Following
203 ROUTE 22 EAST
GREENBROOK, NJ 08812

ALL MAJOR CREDIT CARDS ACCEPTED
NO SURCHARGE ON ANY CREDIT CARDS

NO SALES TAX WHEN SHIPPED OUT OF NEW JERSEY

STORE HOURS:

Sunday	10:00am-6:00pm
Monday	9:30am-8:00pm
Tuesday	9:30am-7:00pm
Wednesday	9:30am-7:00pm
Thursday	9:30am-7:00pm
Friday	9:30am-4:30pm
Saturdays	CLOSED

NEW YORK PRICES . . . . . WITH NEW ENGLAND SERVICE

SONY TR-SERIES

CCD-TR91 $829.99
- ☑8mm
- ☑10:1 Zoom
- ☑Color Viewfinder
- ☑Image Stabilization

CCD-TR61 ..... 599.99
CCD-TR101 Hi-8mm ..... CALL
CCD-TR21 ..... 549.99

CCD-TR500
USA WARRANTY
CALL FOR LOWEST PRICE!
NEW CCD-TR65 ..... 669.99
NEW CCD-TR500 ..... CALL
CCD-TR-300 Color ..... CALL
CCD-VX3 3 Chip ..... CALL

Panasonic PALMCORDER

PV-43 $699.99
- ☑VHS-C
- ☑Stabilizer
- ☑10:1 Zoom

NEW PV-53 ..... 869.99
NEW PVS-63 ..... 989.99
PVS-770 ..... 949.99
PV-800 ..... 539.99
PV-900 ..... CALL PV-910 ..... CALL

PV-53 $869.99
- ☑VHS-C
- ☑20:1 Digital Zoom
- ☑Hi Fi Stereo ☑Stabilizer

PVIQ-203 ..... 529.99 PVIQ-204 ..... CALL
PVIQ-303 ..... CALL PVIQ-304 ..... CALL
PVIQ-403 ..... CALL PVIQ-404 ..... CALL
PVIQ-503 ..... 649.99 PVIQ-504 ..... CALL

AUTHORIZED Canon DEALER

E-520 NEW CALL
- ☑Palmsize 8mm
- ☑Titler, Back Light
- ☑10:1 Power Zoom, Low Lux

UC-S2 ..... CALL
UC-S3 ..... CALL
UC-1 ..... CALL
E-250, E-350 ..... CALL

IN STOCK

UCS-5 NEW
- ☑Hi Band 8mm
- ☑Image Stabilization
- ☑Five Mode Program AE

A-1 Digital ..... CALL
NEW E-700 ..... CALL
NEW L-2 Professional ..... CALL
All Canon Accessories ..... CALL

NEW! SHARP VIEWCAM

VLL-63 CALL
- ☑0.7 Lux
- ☑Slimcam
- ☑Remote Control
- ☑12:1 Power Zoom

VLL-72 Twincam ..... CALL
VLL-39 ..... CALL
CALL FOR SHARP BATTERIES, CASES & CAR CORDS

VLE-30 NEW CALL
- ☑8mm Format
- ☑Viewcam Design
- ☑Image Stabilization
- ☑3" Color LCD Display

NEW VLE-40 ..... CALL
NEW VL-HL100U ..... CALL
NEW VL-HL4000 ..... CALL
VL-N1U ..... CALL

Nikon

VN-550 5 YEAR WARRANTY CALL
☑Hi8 ☑Dock System ☑8:1 Zoom
VN-330 (Same As TR61) ..... Call
VN-340 (Same As TR65) ..... Call
VN-550 (Same As TR91) ..... Call
VN-750 (Same As TR101) ..... Call

Quasar

VM539 PACKAGE $949.99
NEW VM525 ... In Stock
NEW VM530 ... In Stock
NEW VM535 ..... Low
☑EIS ☑VHS-C ☑20:1 Digital Zoom ☑Same As Panasonic IQ Series
VM-719 (Same As PVS-770) ... Call
VM-718 (Same As PV-760) ..... Call

GO VIDEO

DUAL DECK VCR'S
GV 3020 ..... 499.99
GV 3030 ..... CALL
GV 3050 ..... CALL
GV 3060 ..... CALL
GV 3070 ..... CALL

PIONEER

LASER DISC
RECEIVERS
CASSETTE DECKS
KARAOKE
CALL FOR THE LOWEST PRICES!

SONY VHS VCRs

SLV-400	228.99	SLV-750HF	359.99
SLV-700	319.99	SLV-R1000	869.99
SLV-900HF	389.99	SL-HF2000 Beta	CALL
SLV-R5	CALL	SL-S600	CALL

8mm VCR's

EV-C100	449.99	EV-S550	CALL
EV-C40	289.99	EV-S2000	CALL
EV-A50	319.99	EV-S3000	CALL

SONY BETA IN STOCK ..... CALL

Panasonic

PV 2301	169.99	PV 2401	CALL
PV 4250	254.99	PV 4260	CALL
PV 4301	194.99	PV 4311	204.99
PV 4351	249.99	PV 4361	309.99
PV 4362	359.99	PV 4366	CALL
PV-S4266	CALL	PV-S4380	699.99
PV 4401	CALL	PV 4451	CALL

RCA Video Cassette Recorder

VR 319	Call	New VR600 HF	Call
VR 516	Call	VR 536	Call
VR 526A	Call	LASER DISC	
VR 657HF	Call	LDR 500/600	Call
VR 667HF	Call	LDR 310	Call

LOWEST PRICES ON RCA!

JVC Video Cassette Recorder

HR-J400	CALL	HR-VP700	CALL
HR-J600	CALL	HR-S4900	539.99
HR-VP404	CALL	HR-S6900	599.99
HR-VP604	CALL	HR-S6800	CALL
HR-VP606	CALL	HR-S4700	CALL

HITACHI Camcorders

VM-H39A	New	VM-H38A	New
NEW VMH-57	Call	NEW VME-55	Call
VME-25A	Call	VM2600	Call
VMS 8200	Call	NEW VME-53	Call
VMSPIA WATER RESISTANT			CALL

VCRs

		VT-M171	Call
		VT-M270	Call
VT-M272A	Call	VT-M370	Call
VT-F362	Call	VT-F372A	Call
VT-F462A	Call	NEW 772A	Call

MITSUBISHI Video Cassette Recorder

HS-U26	CALL	HSU-38	CALL
HSU-48	CALL	HSU-58	CALL
HSU-59	CALL	HSU-69	CALL

TOSHIBA Video Cassette Recorder

M228	Call	M229	Call
M448	259	NEW M449	Call
M658	Call	NEW M659	Call
NEW M758	Call	NEW M759	Call

Quasar VCRs

VH-220	169.99	VH-420	189.99
VH-425	Call	VH-6420	Call
New VH-230	CALL	New VH-430	CALL
New VH-434	CALL	New VH-435	CALL

SONY FX-SERIES

FX-310 $509.99
- ☑8mm
- ☑8:1 Power Zoom
- ☑Remote Control

FX-420 ..... CALL
FX-520 ..... CALL
FX-620 ..... CALL

MINI SYSTEM RMS ..... CALL

Laser Disc Players
MDP600 ..... CALL
MDP800 ..... CALL

Cassette Decks
TC-WR435 ..... 129.95
TC-WR535 ..... 148.95
TC-WR635 ..... 189.95

Receivers
STR-D2090 ..... 549.99
STR-D1011 ..... 369.99
STR-D911 ..... 268.99
STR-D611 ..... 229.99

Panasonic PRO LINE

AG-455 $1449.99
- ☑Super VHS
- ☑12:1 Power Zoom
- ☑Hi Fidelity Stereo Sound
- ☑Laminated amorphous video head assures exceptional pictures

Professional Line
AG-460 ..... CALL
AG-3P ..... "PROMOTION"
AG-1970P 1299.99
AG-5700 ..... CALL
AG-A96 ..... CALL
WJ-MX50 ..... CALL
WJ-MX30 ..... 1999.99
WJ-AVE3 ..... 299.99
WJ-AVE5, 7 ..... CALL
CT-1383Y 239.99

S-VHS-C JVC

GR-SZ1 CALL
- ☑S-VHS-C
- ☑Hi Fi Stereo
- ☑22:1 Power Zoom
- ☑Wireless Remote

Grax 25 ..... CALL
Grax 35 ..... CALL
Grax-55 ..... CALL

WE STOCK THE COMPLETE LINE OF JVC!
Grax-75 ..... CALL
Grax-5u ..... CALL
GR-SX90 ..... CALL

AUDIO

Receivers
RX1050 VTN .. CALL
RX905 VTN .... CALL
RX809 VTN .... CALL
RX-509 VTN .. CALL

Cassette Decks
TD-V 1050TN. CALL
TD-W 309WR CALL

AUTHORIZED RCA DEALER

PRO 830 NEW CALL
- ☑10:1 Zoom
- ☑Auto Exposure
- ☑Remote Control

NEW Pro 883, Hi-8, EIS ..... CALL
VHS CC407, CC507, CC517 .. CALL
NEW CC178, CC188, CC190 . CALL

CC 540 NEW CALL
- ☑Titler
- ☑Only 1 Lux
- ☑Full Size VHS
- ☑24:1 (100 Dig) Zoom

NEW Pro 840, Pro 808 ..... CALL
NEW Pro 930 Hi-8, EIS ..... CALL

RICOH

R-16 NEW $749.99
Same As TR-61

SPECIAL PACKAGE
Includes Camera, Battery, Charger, RF Unit Cables, Extra 2 Hour Battery, Deluxe Case, 6 Year Warranty, Tape
R17C Same Package 1049.99

RICOH

R18H SPECIAL PACKAGE
☑EIS, Hi-Fi
☑Same As Sony TR-101
☑Wireless Remote ☑10:1 Zoom
NEW R17C (Same As Sony TR91) . Low
R16 (Same As Sony TR61) ..... Prices
EXTRA BATTERIES ..... CALL

VIDEO ACCESSORIES

VIDEONICS
Title Maker ..... CALL
Edit Maker ..... CALL
Equalizer ..... CALL
THUMBS UP ..... CALL
Sound Effects Boing Box ..... CALL

CITIZEN MONITOR
$CALL
Monitor M329H ..... Call

sima
Screenwriter 118
Edit 1-2-3 NEW Edit 4 ..... Call
Stereo Sound Mixer ..... Call
SPM-4 Discharger/Charger ..... Call
SPM 1-2-3-5-5n-6-7 ..... Call

JVC

C9-V80	124	JXT-80	228
JX6V-55	378	JX5-300	199
JX5-900			478

RZDEN ACCESSORIES ..... CALL

LENMAR NOMEM BATTERIES..CALL

SUNPAK
Auto CV-300 ..... 88 CV-320 ..... Call
Auto CV-205N ..... 64 CV-150 ..... Call
CV-300 ..... 75 CZ-200 ..... Call
CL-5/8 Battery ..... Call
NEW NOMEM BATTERIES ..... CALL

MITSUBISHI TOSHIBA RICOH MINOLTA RCA VIDEONICS JVC SUNPAK

All merchandise is brand new and factory fresh Prices Are For Mail Order Only 10% deposit required for COD orders. Please allow 3-4 weeks delivery time for personal check orders. Exchange or refund less shipping and handling within 15 days of merchandise only if returned in original mint condition with original package and unfilled warranty cards. Please call 908-424-1103 for return authorization before returning product. Some items listed may be parallel imports and do not include USA warranty Returns may be subject to a restocking fee. Quantities limited prices effective through April 30, 1994. Call for shipping and handling charges. No Surcharge on Credit Cards. Thank you for shopping with us. We ship by UPS, Federal Express & US Mail.

Circle 23 on Reader Service Card

THE ELECTRONIC

THE VIDEO EDITING & 800-323

10-12 Charles Street, Glen Cove, NY 11542 FAX 516-671-3092

HAPPY ANNIVERSARY !!
1984-1994

FREE GIFT!! WISH US A HAPPY ANNIVERSARY WHEN YOU CALL IN YOUR ORDER AND WE'LL SEND YOU A FREE GIFT!!

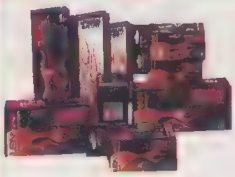
WE KNOW OUR STUFF *staff of courteous, informative, sales professionals*

WE ARE HERE TO SOLVE YOUR PROBLEMS *from hook-up to operation*

ATTN SCHOOLS & GOV'T AGENCIES
Direct your orders/bid to our Specialty Video Supply division

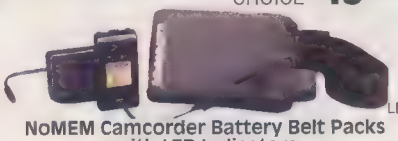
LENMAR NoMEM™ BATTERY

NO MEMORY CAMCORDER BATTERIES



No memory batteries offer a full charge everytime! Carefree-No Worry!! Available for all major brands. Call with your model #.

YOUR CHOICE $49.95



LED65

NoMEM Camcorder Battery Belt Packs with LED Indicators

LED65- 6.5AH Runs camcorder approx. 5 hrs. $69.95

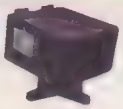
LED100- 10AH Runs camcorder approx. 7 hrs. $99.95

Also available: LA65- 6.5AH 12v $69.95

AMBICO INC

Professional Video Converter

Converts movies, slides, AND photos to video. Needs no slide projector!



V0650

SALE $49.95

VANGUARD®

Full size "Hands-Free" Camcorder Support

VS50

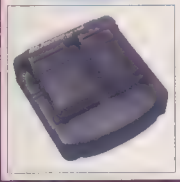
Sturdy shoulder bracket offers true hands free support plus improved weight distribution. $59.95

LENMAR 3X Telephoto Lens

New compact lens increases your telephoto range by 300%! Features 4 element coated glass optics for sharpest resolution. Dual thread for 49mm & 37 mm, plus 46mm & 52mm rings included.

VSL30 $99.95

sima PowerMax Pulse-Charge



Reconditions and quick charges two 6V batteries in one automatic cycle. Exclusive pulse charging technology provides fastest charge with built in overcharge protection! AC/DC operation for home or on the road.

SPM-10 $49.95

In celebration of our **10TH ANNIVERSARY**, our tech support staff has come up with some terrific editing packages. We've matched the components that give you the maximum value to create great productions! In addition to these low prices you will receive the **10TH ANNIVERSARY PACKAGE BUNDLE**, a $40.00 value, at no extra charge. *For more information, or to find out what components are best for you, call today!*

FREE! $40.00 VALUE!

The 10TH ANNIVERSARY PACKAGE BUNDLE includes... *Hook-up Guide & How-to Manual* with instruction & tips from our techs! ***FREE! $6.95 VALUE!***
- Complete set of hook-up cables. – ***FREE! $24.95 VALUE!***
- 3M Black Watch Video Tape [#4410] – ***FREE! $8.95 VALUE!***
- *EXCLUSIVE* Direct Support Phone Line connects you to our techs who will assist you, from hook-up to operation!

10TH ANNIVERSARY EDITING PACKAGES

AMBICO VIDEO TITLEWRITER

V6350

- 8 colors, 2 fonts, 4 sizes and 3 borders
- 10 pages of memory
- Titles can wipe in/out, scroll up/down, crawl, and flash on/off
- Hi8 and S-VHS compatible
- Superimpose titles over live video or on black or white background.

SALE $199.00

ColorWriter Magic

SCW

Full Color Electronic Titler w/ Special Title Effects

Put your titles into motion & create unique Hollywood effects. Features deluxe full size keyboard, S-VHS & Hi8 compatibility, & 12 page memory. Letter choices include 8 colors, 4 sizes, outlining & boxing.

$249.00

BUY BOTH FOR $399 plus FREE BONUS!

sima

SFX-4

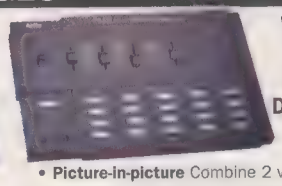
Special Effects Editor & Sound Mixer

A complete creative editing center with color wipes, partial wipes, inverse, reverse, crossfades etc.
- Over 100 wipe patterns
- Crossfades one input into next
- Variable wipe and fade speed
- Bypass accurately locates edit points
- Stereo sound mixer
- 2 in/ 2 out
- S-VHS/Hi8 compatible

$199.00

BUY BOTH FOR $499 plus FREE BONUS!

VideoPro Magic



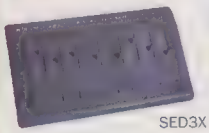
Professional Digital Effects Generator

SFX5

- **Picture-in-picture** Combine 2 video sources by adding full motion or still PIP
- **Freeze Frame**
- **Strobe** High, medium & low speeds
- **Multiscreen** Display 4 or 9 still frames on one screen. PLUS any 1 frame can be in full motion
- **Mosaic** 2 sizes & POS/NEG
- **Paint** Dramatic color posterization
- **Audio Mixer**

SALE $349.00

sima Digital Production Center

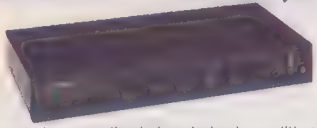


SED3X

Edit out unwanted scenes. Brighten and correct colors. Add narration and/or background music. Variable fade speed.

$149.95

VIDICRAFT VidiMate 300S



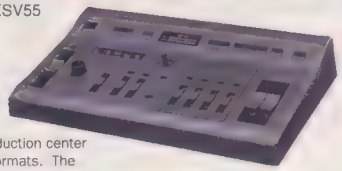
Improves picture quality during playback or editing from any source. Features 2 channel audiomixer, autofades, adjustment of outline, detail, brightness, color, & 2 in./4 out. S-VHS jacks.

Vidimate 200 - Same as above w/o S-VHS jacks. $99.95

$169.95

JVC

JXSV55



Ultimate S-VHS Production Center

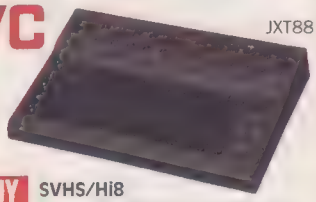
A complete home video production center that is compatible with all formats. The JXSV55 combines professional quality and several features into 1 easy to use unit.
- State of the art high resolution color processor and enhancer to improve picture quality.
- Joystick control for color balance lets you perform top notch color correction quickly and easily.
- Hi Fi stereo audio mixer lets you add music and/or narration from 3 different sources.
- Color special effects generator lets you fade or wipe to 8 different color backgrounds or combine wipe patterns for sixteen different effects including circle, curtain and letterbox.
- Edit your video using fades and wipes as transitions between scenes!
- 2A/V in & out plus a switchable monitor output.

The JXSV55 is rated #1 by our techs!

$399.00

BUY BOTH FOR $599 plus FREE BONUS!

JXT88



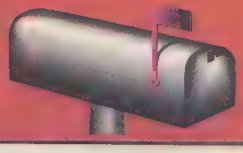
SVHS/Hi8 Color Character Generator

The world's easiest to use color titler! Generates its own title screens for quick & easy title creation.
- 8 colors/4 sizes
- 10 pages memory
- Fade in/out & Scroll title
- Standard size keypad

SALE $249.00 (reg $299)

MAILBOX
PRODUCTION EXPERTS
-2325

Now Toll-Free in Canada



GEMINI HOME THEATER REMOTE CONTROL

Has all the features you need for your home entertainment system.

- Operates multiple devices
- Learn mode
- Preprogrammed to control TV/VCR/Cable Box
- 8 special function keys for laser disc, PIP etc.
- On screen menu

$39.95

10 DAY MONEY BACK
30 DAY TRADE-IN
GUARANTEE POLICY

TECHNICAL ADVICE HOTLINE
516-759-1943 *call Phil or Gary*

TWO MICROPHONE SYSTEMS

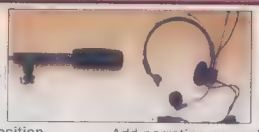
Now you can use two wireless mics at the same time!
The new Azden WR2PRO two channel receiver automatically mixes the sound from both mics. Let us design the perfect two mic system for your needs. Complete systems including WR2PRO and two wireless mics. **$379.00 & up.**

WR2PRO receiver **$179.00**

AZDEN

CAM3
Mic Mixer
Record and mix sound from 3 sources, while shooting!
Connect 2 mics plus background music to your camcorder's audio. **$49.95**

ECZ990
Zoom Microphone
Picks up sound in front without side noises. 2 position zoom/wide angle.
SALE **$65.00**



HS7V
Headset Boom Mic
Add narration as you're video taping! Monitor camcorder audio.
SALE **$19.95**

WMSPRO

Professional VHF Wireless Mic System
250' Range
$149.00

WHXPRO-Wireless Handheld VHF Pro Mic System **$179.00**

JVC

MZ707
Stereo/Zoom Microphone **$149.95**
High performance Mic.
Features: 2 modes - stereo or superdirectional! Plus sensitivity & low-cut selections.
6 times greater sensitivity than built-in mic.

HOME THEATER

Now you can watch TWO Programs at the same time and more...

ROCTEC

Remote Control PIP Tuner
- Picture-in-picture in any corner of the screen
- Built in cable converter
- Built in switcher for cable/antenna and 3 A/V inputs
- Swap between main and sub-picture
- Freeze sub-picture

Includes custom PIP cable kit **$149.00** STEREO PIP VIEW **$169.00**

RECOTON®

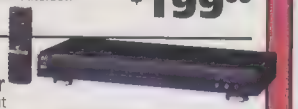
WOW!!! 900MHz Wireless Technology!!!

Lets you transmit sound and video up to 150'! Even through walls and floors! W440-Wireless Stereo Speaker system with full 20 watt RMS output. Enjoy full, rich Hi-fi stereo sound anywhere in your home without wires! Great for surround sound, bookshelves and you can even use them outside!!

W440 **$199.00**

JVC

Remote Control A/V S-VHS Switcher
- 3 S-VHS/A/V in & out
- Y/C separator
- Video amp. w/800 lines of resolution



JXS-300 Sale **$229.00**

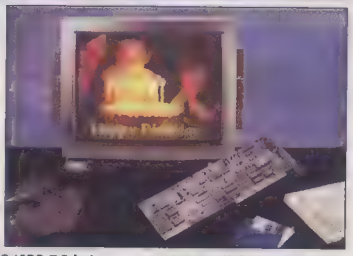
Deluxe S-VHS R/C Switcher JXS-700

7 in, 4 out plus monitor output
- Video amp w/ 12MHz bandwidth & 960 lines resolution
- Y/C separator
- 2 signal paths for simultaneous dubbing or viewing
- A/V processor loops

$499.00

DESK TOP VIDEO EDITING FOR UNDER $500!

ROCTEC



RocGen Pro

Turn your 386/486 PC into a complete editing system!

•Enhanced VideoDirector editing software lets you rearrange scenes, remove unwanted footage and create an Edit Decision List for easy editing•Add high resolution color titles and create your own graphics and animation•Superimpose titles and graphics over video plus color key graphics for keyhole effects•Requires Sony type LANC camcorder **$499.00**

Chroma Key for your PC
Turn your PC into a deluxe digital effects generator•RocKey VGA lets you superimpose live video over graphics to create weatherman and many other 'blue screen' effects•Deluxe multi-media editing system includes RocGen Pro, RocKey VGA and Fader Box **$999.00**

CELLULAR ACCESSORIES

Cellular phone battery for Motorola MICROTAC

SUNPAK

w/ 5 stage micro computer controlled LED display

Receive up to 2x the talk time of the original slim battery pack. Monitor remaining power via LED display. Warning light blinks when power drops below 10%. Computer prevents damage from over-charging/discharging.

M4057M

$79.95

Call for more cellular batteries & accessories.

VARTA
THE BATTERY EXPERTS

LAPTOP/Notebook Computer Batteries
We stock a full line for all popular models from **$79.95**

PHILIPS S-VHS CABLES
Feature gold plated terminals for best signal reception

PHCAB3S	3'	$14.95
PHCAB6S	6'	$19.95
PHCAB10S	10'	$24.95
PHCAB20S	20'	$29.95

SUNPAK MEMORY-FREE

Nicad Battery with 3 stage LED

Ultra-high capacity (2700mAh) provides up to 2.5 hrs. for 8mm and VHS-C camcorders from Sony, Pana, JVC, and Sharp.

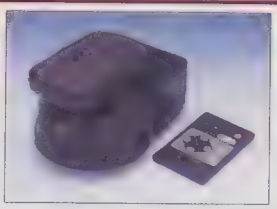
RB-80UL
Comes with Lifetime Warranty! **$69.95**

RB-80U without LED **$49.95**

CZ-200A

Cordless VideoLight with Auto Sensor, Zoom & Tilt Head Includes battery and charger **$69.95**

RL-20 compact videolight **$29.95**



AP-200W

Remote Control Auto Pan/Tilt Head
Mount your camcorder on Sunpak's pan head, place on tripod & get in the action with everyone else! Infra-red signal controls pan & tilt plus lens zoom & record/pause of Sony, JVC, Hitachi & Canon camcorders. Powered by 6v battery (not included). **$149.00**
Optional 20 ft remote sensor cord **$19.95**

SUNPAK

$10 OFF RB-80UL with purchase of AP-200W

RECHARGEABLE CAMCORDER BATTERIES

Sony 8mm
1.5 hour
$29.95

•

Canon 8mm
1 hour $39.95
2 hour $49.95

•

Sharp Viewcam & 8mm
$49.95

•

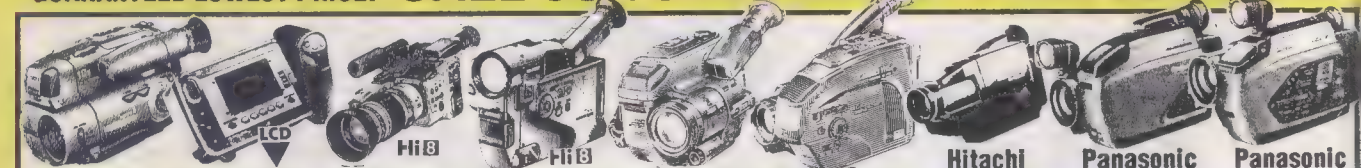
Panasonic Full size VHS
$39.95

Circle 24 on Reader Service Card.

WE PUT YOU IN THE DIRECTORS CHAIR!

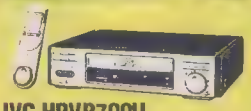
SOUND CITY

At Sound City YOU ARE #1 . That's why we carry everything you need in electronics. Whether it's a CAMCORDER, TV, VCR, LASER DISC PLAYER, PROJECTION TV, PORTABLE, A/V RECEIVER, ANY TYPE OF SPEAKER, EDITOR, or even just accessories. You want it , we've got it! We are an AUTHORIZED DEALER FOR EVERYHTING WE SELL. This means you get the comfort and protection of a full MANUFACTURERS WARRANTY...AT THE GUARANTEED LOWEST PRICE! CALL US TOLL FREE AT 1-800-525-DEAL



Ricoh R16 | Sharp VLE30 | Canon L2 | Canon UCS5 | JVC GRSZ1 | JVC GRAX55 | Hitachi VTM53A | Panasonic PVIQ203 | Panasonic PV43

VHS VCRs

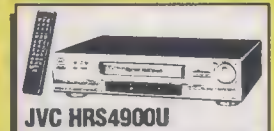


JVC HRVP700U
- Hi-Fi VHS stereo w/Hyper bass
- VCR Plus+ & cable converter
- Random assemble editing
- Fying erase head
- DA-4 Head system

CALL

Panasonic PV4362	CALL
Sharp VCH98U	FOR
Hitachi VTF372A	OUR
Mitsubishi HSU55	LOW
JVC HRJ600U	PRICE

S-VHS VCRs



JVC HRS4900U
- Hi-Fi VHS stereo w/Hyper bass
- VCR Plus+ w/multi system cable box converter
- Advanced editing including flying erase heads

CALL

AUTHORIZED SONY DEALER 1993

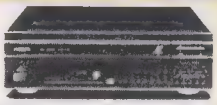
PROJECTION TVs

From 40" to 150" Front/Rear Projections 16:9 Aspect Ratios

Mitsubishi • Hitachi • JVC
ProScan • Sony • Runco
SharpVision • Stewart

LCD & Front Projectors

LASER DISC



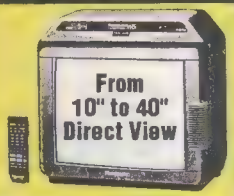
Brand Name
- Combi laser player
- 425 lines horizontal resolution
- 20 Programmable tracks
- Remote controlled
- S-VHS

$379

Philips CDV400	CALL
Panasonic LX101	FOR
Panasonic LX900	LOW
Denon LA2100	PRICE

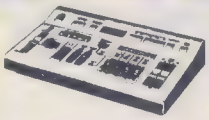
TELEVISIONs

From 10" to 40" Direct View



Panasonic PVM2023 20" TV/VCR Combo	$499
Hitachi 20VR 20" TV/VCR Combo	CALL
Brand Name 31" 31" Color TV w/remote	$799
Brand Name 35" 35" Color TV w/remote	$1299

EDITORS



JVC JXSV55
- Video Editing Processor
- Compatible with S-VHS
- Special effects generator
- Fader, enhancer mixer etc

CALL

JVC JXS100	$79
JVC JXT88	$299
Pansonic WJAVE5	CALL

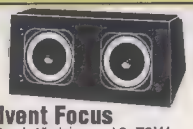
A/V RECEIVERS

Philips FR940
- A/V Surround amp/receiver
- Dolby® Pro Logic surround
- 100W/ch 8 ohms

$319

Brand Name	$1249
Brand Name	$499
Technics SAGX650	CALL
JVC RX905VTN	$598
JVC RX809VTN	CALL
Philips FR930	$298

CENTER CHANNEL



Advent Focus
- Dual 4" drivers 10-70W

Audio Source VS One
- Tuned port, dual 4", 1" tweeter

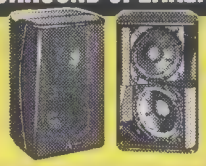
Monitor Audio CC200
- Top Quality Center Channel

Pinnacle PN50
- Video shielded 2-way speaker

Atlantic Technology 153C
- Dual 3.5" drivers, 1/2" tweeter

CALL FOR PRICES

SURROUND SPEAKERS



Atlantic Technology 154SR
- Ea. contains dual 3 1/2" woofers
- Polypropylene drivers
- Mounted at 105° offset angle for ultrawide dispersion

CALL

Advent A1020	$99
Memorex WM200	$99
Rock Solids	LOW
Team Speakers	PRICE

INSTANT THEATER

Atlantic Technology Pattern 200 System

Complete Dolby® Pro Logic Surround Sound System inc:
- 5 360° rotating dual enclosure satellites housing dual 3" drivers
- Dolby® Pro Logic system decoder with 3 line level inputs
- 13 key Remote control
- Bass/amplifier module housing dual 8" drivers & amplifier section
- Color coded RCA plugs and speaker wires for foolproof operation

Orig. $1500 Now On Sale $699

• ADS • ADVENT • AR • AIWA • AKG • ATLANTIC TECHNOLOGY • AUDIO SOURCE • BAZOOKA • BBE • B&O • B&W • BELTRONICS • CANON • CARVER • CANTON • CERVIN VAGA • DENON • HAFLER • HITACHI • HIFONICS • HUGHES • INFINITY • JBL • JVC • KENWOOD • LUXMAN • MINOLTA • MITSUBISHI • M&K • MONITOR AUDIO • MONSTER CABLE • NAD • NILES • ORION • PANASONIC • PHASE LINEAR • PHILIPS • PINNACLE • PS AUDIO • ROCK SOLID • SENNHEISER • SHARPVISION • SHERWOOD • SIMA • SOUNDCRAFTSMAN • SONY • SOUNDSTREAM • SSI • TECHNICS • TERK • THORENS • TOSHIBA • TRIAD & MORE! • • SPECIALIZING IN THX HOME THEATERS • •

FREE CATALOG WITH ANY PURCHASE

MAIL ORDER CALLS
PHONE: 1•800 •525•DEAL
FAX: 1•201 •838 •2516
Or Send Check, Cashiers Check or Money Order

CUSTOMER SERVICE
PHONE: 1•201•838•2653

Since 1986 Sound CITY

RETAIL STORE INFO
Meadtown Shopping Center
Rt 23, Kinnelon NJ 07405
Call 201•838•3444

WE ACCEPT

Circle 25 on Reader Service Card.

Factory Authorized for all brands we sell • Not responsible for typographical errors • NO refunds on video or car stereo products • 10 day defective exchange from date of receipt(except on video products) • All returns must be made within 10 days of receipt of merchandise & are subject to a restocking fee • Items must be in original condition and packaging • Shipping and handling not refundable • No Tax On Out Of State Purchases • Non-commissioned salesman • Next day and Second day delivery available.

AUTHORIZED ELECTRONICS

1166 HAMBURG TPKE. WAYNE NEW JERSEY

ELECTRONIC WHOLESALERS CUSTOMER SERVICE:
201-696-6531

We ship within 24 hours. All prices quoted include manufacturer's standard accessories & U.S. Warranty. All units are factory sealed. Shipping & Handling are non-refundable.

25TH ANNIVERSARY

LOOK NO FURTHER...OUR PRICES ARE LOWEST!

HOME THEATER SYSTEMS

Technics

OUR STAFF OF KNOWLEDGEABLESALES PERSONS

SATELLITE SPEAKERS &

Dual Satellite & Subwoofer SPKRS $299
er Channel Speaker $79

'c Receiver 80 wpc.....$269
le Impedence 8, 4,& 2 Ohms
w/6+1 Multi Changer ...$199
18 Disk CD Changer ...CALL

layer w/ 5 CD Changer.$359
Shuttle Play.....$299
& Karaoke Player....$569
Laser Video Disk $489

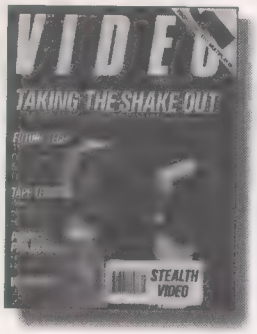
TLE VCR'S

2.50
OUSuper VHS w/ Flying
log Shuttle, ...$589
huttle LC Controller..$999
Fi Stereo $349
nm, 4hd Hi Fi, or Beta $329

DIGITAL PLAYERS
Digital Compact Cassette, Digital Audio Tape, DAT, Mini Disc, DCC, & PCM
STARTING AT $299

NICS
PPLIANCES
25
ax # 201-633-1476

Subscribe and Save 66%



☐ **YES!** Enter my subscription for 1 year (12 issues) of VIDEO for just $11.97. I save 66% off the newsstand cost of $35.40 and 20% off the regular $15.00 subscription price.

☐ **SAVE EVEN MORE!** Check here to receive 2 years of VIDEO for only $19.97.

Name _____
(Please print)

Address _____

City _____ State _____ Zip _____

☐ Payment enclosed ☐ Bill Me

Offer good in U.S. only. Allow up to 60 days for delivery of first copy.

4AFS4

Subscribe and Save 66%

☐ **YES!** Enter my subscription for 1 year (12 issues) of VIDEO for just $11.97. I save 66% off the newsstand cost of $35.40 and 20% off the regular $15.00 subscription price.

☐ **SAVE EVEN MORE!** Check here to receive 2 years of VIDEO for only $19.97.

Name _____
(Please print)

Address _____

City _____ State _____ Zip _____

☐ Payment enclosed ☐ Bill Me

Offer good in U.S. only. Allow up to 60 days for delivery of first copy.

4AFS4

WE PUT YOU IN THE DIRECTORS CHAIR!

SOUND CITY

At Sound City YOU ARE #1 . That's why we carry everything you need in electronics. Whether it's a CAMCORDER, TV, VCR, LASER DISC PLAYER, PROJECTION TV, PORTABLE, A/V RECEIVER, ANY TYPE OF SPEAKER, EDITOR, or even just accessories. You want it , we've got it! We are an AUTHORIZED DEALER FOR EVERYHTING WE SELL. This me

GUARANTEED LOWE

Ricoh R16 Sharp VL

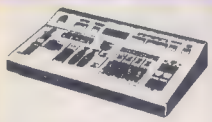
VHS VCRs

JVC HRVP700U
- Hi-Fi VHS stereo w/Hyper bas
- VCR Plus+ & cable converter
- Random assemble editing
- Fying erase head
- DA-4 Head system

CAL

Panasonic PV4362	CALL
Sharp VCH98U	FOR
Hitachi VTF372A	OUR
Mitsubishi HSU55	LOW
JVC HRJ600U	PRIC

EDITORS



JVC JXSV55
- Video Editing Processor
- Compatible with S-VHS
- Special effects generator
- Fader, enhancer mixer etc

CALL

JVC JXS100	$79
JVC JXT88	$299
Pansonic WJAVE5	CALL

• ADS • ADVENT • AR • A
• BELTRONICS • CANON •
• INFINITY • JBL • JVC • K
• NAD • NILES • ORION
• SENNHEISER • SHARP
• TECHNICS • TERK • TH

MAIL ORDER CAL

PHONE: 1•800 •525•
FAX: 1•201 •838 •2
Or Send Check, Cashiers Check or Money

CUSTOMER SERVI

PHONE: 1•201•838•2

Factory Authorized for all brands we sell • Not resp
are subject to a restocking fee • Items must be in c

Circle 25 on Reader Service Card.

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

BUSINESS REPLY MAIL
FIRST CLASS MAIL PERMIT NO. 3494 NEW YORK, NY

POSTAGE WILL BE PAID BY ADDRESSEE

VIDEO
P O BOX 52255
BOULDER CO 80321-2255

NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES

BUSINESS REPLY MAIL
FIRST CLASS MAIL PERMIT NO. 3494 NEW YORK, NY

POSTAGE WILL BE PAID BY ADDRESSEE

VIDEO
P O BOX 52255
BOULDER CO 80321-2255

AUTHORIZED ELECTRONICS

1166 HAMBURG TPKE. WAYNE NEW JERSEY

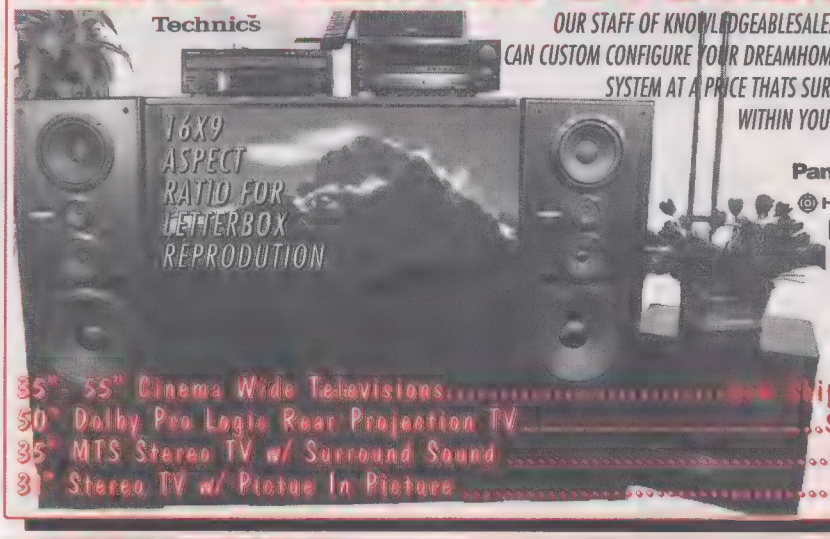
ELECTRONIC WHOLESALERS CUSTOMER SERVICE:
201-696-6531

We ship within 24 hours. All prices quoted include manufacturer's standard accessories & U.S. Warranty. All units are factory sealed. Shipping & Handling are non-refundable.

25TH ANNIVERSARY

LOOK NO FURTHER...OUR PRICES ARE LOWEST!

HOME THEATER SYSTEMS

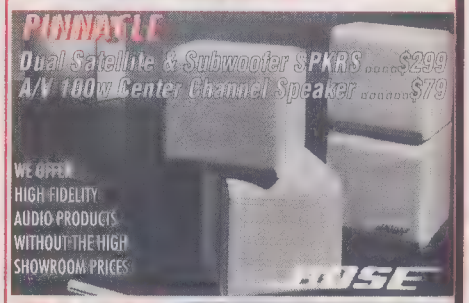


OUR STAFF OF KNOWLEDGEABLESALES PERSONS CAN CUSTOM CONFIGURE YOUR DREAMHOME THEATER SYSTEM AT A PRICE THATS SURPRISINGLY WITHIN YOUR BUDGET.

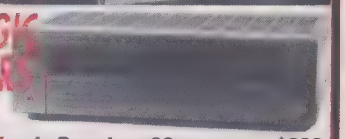
Panasonic
HITACHI
RCA
JVC

35" - 55" Cinema Wide Televisions ..... Free Shipping!
50" Dolby Pro Logic Rear Projection TV $1999
35" MTS Stereo TV w/ Surround Sound $1199
31" Stereo TV w/ Picture In Picture $799

SATELLITE SPEAKERS &

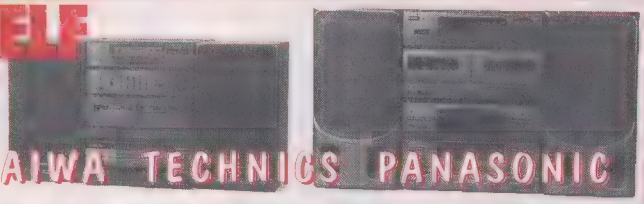


PRO LOGIC RECEIVERS



Dolby Pro Logic Receiver 80 wpc.....$269
Switchable Impedence 8, 4,& 2 Ohms
Cassette Deck w/6+1 Multi Changer ...$199
Programmable 18 Disk CD Changer ...CALL

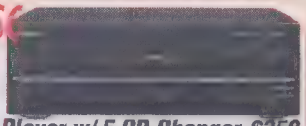
BOOKSHELF AUDIO



NEW JVC AIWA TECHNICS PANASONIC

50 Watts Per Channel Mult-Disc w/ 5 Disc Changer & Dual Auto Reverse Tape ....PRICE REDUCED!

LASER DISC PLAYERS



Laser Video Player w/ 5 CD Changer.$359
Laser & CD w/Shuttle Play.....$299
Combo Laser & Karaoke Player....$569
Dual Side Play Laser Video Disk $489

CAMCORDERS

PRICES DROPPING EVERYDAY, CALL US FOR ALL CURRENT PRICES ON ALL MANUFACTURERS!

3 CCD Chip Camcorder.....$2400
Hi 8mm/EIS Stabilizer 8x Zoom $899
Choice 8mm & VHS-C Palm Size $499
Palmsize Camcorders w/10x Zm ...$589
8mm w/Optical Image Stabilizer...$799
NEW ARRIVALS EVERY DAY ....CALL US!

JOG & SHUTTLE VCR'S

E6120 Hi8 ...$12.50
JVC HRS 6800U Super VHS w/ Flying Erase Head, Jog Shuttle, ...$589
8mm Jog & Shuttle LC Controller..$999
Super Beta Hi Fi Stereo $349
Your Choice 8mm, 4hd Hi Fi, or Beta $329

DIGITAL PLAYERS

Digital Compact Cassette, Digital Audio Tape, DAT, Mini Disc, DCC, & PCM STARTING AT $299

SAMMAN'S ELECTRONICS

CAR STEREO, PORTABLE AUDIO, & KITCHEN APPLIANCES

1-800-374-7125

Call Now For Your Best Delivered Legitimate Price! Convenient Fax # 201-633-1476

SPRING BONANZA FREE GIFT

SONY

5 YEAR WARRANTY AVAILABLE

CCD-TR101 Hi 8
- 10:1 ZOOM
- STEADYSHOT
- DIGITAL FADER
- RC TIME CODE

CALL

AVAILABLE IN PAL

CCD-TR91
- HI-FI STEREO
- 10 X 1 ZOOM
- PROGRAM AE
- OPTICAL IMAGE STABILIZER
- COLOR VIEWFINDER

$819

CCD-TR500 Hi 8
- 10:1 ZOOM
- DIGITAL EIS
- SUPER QUICK ZOOM
- COLOR VIEWFINDER
- HI-FI STEREO SOUND

TRIPOD FREE GIFT

$1029

CCD-TR61
- HI-FI
- 10 X 1 ZOOM
- PROGRAM AE
- BUILT-IN WIDE ANGLE

$579

CCD-FX520
- 2 LUX MINIMUM ILLUMINATION
- 3-MODE PROGRAM AE
- DIGITAL FADER
- TILT-UP SPORTS VIEWFINDER
- WIRELESS REMOTE

$539

CCD-SC5
- 3" LCD COLOR
- BUILT-IN WIDE/TELE
- BUILT-IN SPEAKER
- LITHIUM BATTERY

$619

FX-710 10X HI-8	[illegible]	EVS-2000 HI-8 VCR	[illegible]
FX-620 12X ZOOM	[illegible]	EVC-40 8mm VCR	$329
FX-420 10X ZOOM	$469	SLVR-1000 SVHS VCR	$928
TR-65 COLOR VIEWFINDER	$600	SLV-750 4 HEAD STEREO	$379
CCD-VX3 3CCD CHIPS	$[illegible]	SLV-400 4 HEAD	$229

HITACHI

AUTHORIZED DEALER

VM-H39A Hi 8
- 16X1ZOOM
- 470,000 PIXELS
- CHARACTER GENERATOR
- 2 LUX
- DIGITAL EIS
- COLOR VIEWFINDER

CASE FREE GIFT

CALL

VM-H38A Hi 8
- 16X1ZOOM
- 470,000 PIXELS
- CHARACTER GENERATOR
- 2 LUX
- DIGITAL EIS

TRIPOD FREE GIFT

CALL

VM-H57A
- 16X1 ZOOM
- 1 LUX
- FLYING ERASE HEAD
- DIGITAL SIGNAL PROCESSING
- CHARACTER GENERATOR

Hi 8

CALL

CASE FREE GIFT

VM-E55A
- 16X1 ZOOM
- 1 LUX
- DIGITAL EIS
- DIGITAL SIGNAL PROCESSING
- CHARACTER GENERATOR

BEST BUY

RICOH

R-17C with Color Viewfinder
- RICOH OPTICS
- HI-FI STEREO
- 10 X 1 ZOOM
- PROGRAM AE
- OPTICAL IMAGE STABILIZER
- COLOR VIEWFINDER

6 YEAR WARRANTY

R-16
- RICOH OPTICS
- 10:1 ZOOM
- 1 LUX
- DIGITAL FADER
- HI-FI STEREO

AUTHORIZED DEALER

Canon

USC-5 Hi 8
- 1/10,000 SHUTTER
- OPTICAL EIS
- 5 MODE PROGRAM AE
- 410,000 PIXELS
- 3 LUX

WOW!! 24X

TRIPOD FREE GIFT

CALL

E-700
- OPTICAL EIS
- 12X1 ZOOM
- 0 LUX
- TITLER
- POP-UP LIGHT
- PROGRAM AE

CALL

AUTHORIZED DEALER

SHARP

VL-H100
- 8 X 1 ZOOM
- 4" COLOR VIEWFINDER
- 16:9 WIDE SCREEN
- DIGITAL EFFECTS

$200 REBATE

AUTHORIZED DEALER

VL-E30 **$699**
- 8 X 1 ZOOM
- NEURO AE
- 16:9 WIDE SCREEN
- DIGITAL EFFECTS

$100 REBATE

UNDERWATER HOUSI	$1499	VL-63 VHS SLIM	[illegible]
VL-E40 4" VIEW	$1189	ALL ACCESSORIES IN STOCK	

RCA

PRO830
- 10X ZOOM
- HI-FI/1 LUX
- FLYING ERASE HEAD
- 7 PROGRAM AE

5% OFF FREE GIFT

$649

AUTHORIZED DEALER

ActiveGear

AVH-1
$789

AVH-2Z
$589

FULL SELECTION
QUEST/AMPHIBCO/IKELITE

CRYSTAL QUARTZ OPTICS

WIDE ANGLE AF	$138	2.0-5 X ZOOM	$288
2 X TELE	$128	2.0-6 X ZOOM	$378
3 X TELE	$238	FLIP LENSE	$78
5 X TELE	$268	TR LENSE KIT	$188
12 X TELE	$588	AF FILTER KIT	$59

W/PURCHASE THRU 4/31/94

OVERNIGHT DELIVERY GUARANTEED•24 HR FAX 212-825-1970

SONY

CLEANER FREE GIFT

SLV-900
- HI-FI RECORDING
- FLYING ERASE HEAD

EVC-100 $439
- HI-FI STEREO RECORDING
- HIGH SPEED REWIND

Hi 8

HRS-6900 $529
- SLOW MOTION
- JOG SHUTTLE
- FLYING ERASE HEAD
- HI-FI STEREO

$649

JVC HRS-4900	CALL	PANASONIC PV-2301	$179
JVC HRJ-200	$199	PANASONIC PV-4314	$229
JVC HRJ-400	CALL	PANASONIC PV-4380	$329
JVC HR-VP606	CALL	MULTISYSTEM IN STOCK	

Panasonic

TRIPOD FREE GIFT

PVS-63
- S-VHS HI-FI STEREO
- 20X DIGITAL ZOOM
- COLOR DIGITAL FADE
- 10:1 POWER ZOOM LENS

$999

PV-IQ403
- 10:1 ZOOM
- COLOR VIEWFINDER
- 1 LUX LOW LIGHT
- FLYING ERASE HEAD

$599

PV-43
- 20X DIGITAL ZOOM
- DIGITAL EIS
- 10:1 ZOOM LENS
- COLOR DIGITAL FADE
- 1 LUX LOW

$769

PV-53 COLOR VIEW	$948	PVS-372 10X TBC	$1089
PV-IQ-503 STEREO	$679	PV-362 10X	$799
PV-IQ303 10X	$589	PVS-770 SVHS	$899
PV-IQ203 10X	$549	PV-800 12X VHS	$519

JVC

FREE BATTERY & 3 TAPES

GR-SZ1
- HI-FI
- DIGITAL EFFECTS
- 22:1 DIGITAL ZOOM
- MICROSCOPE MODE
- A/V 9 HEAD SYSTEM

CASE FREE GIFT

TO LOW TO ADVERTISE

GRAX-75U
- 1 LUX
- 22:1 POWER ZOOM LENS
- FLYING ERASE HEAD
- PROGRAM AE
- TIME LAPSE ANIMATION

AUTHORIZED DEALER

GRSX-90 SVHS-C	$799
GRAX-35 10X	CALL
GRAX-25 10X	CALL
GRM-7U	$948

FULL SELECTION OF JVC INDUSTRIAL IN STOCK

INDUSTRIAL

AG-455U $1549 5 YEAR WARRANTY AVAILABLE

CAMERAS	
AG-3	$2598
AG-460	CALL
AG-195	$998
WD-5100H	CALL
CT-1383Y	$298
AG-EP60	CALL
AVAILABLE IN PAL	

WJ-AVE7 WITH 2 PIP CALL

WJ-MX30 New for '94 $2299

MIXERS & DECKS

WJ-AVE5	$1099	AG-1970	CALL
WJ-MX50	CALL	AG-W1	$1499
AGA-96	CALL	AG-1270	CALL

HITACHI

VY-170A/VY-300 VIDEO PRINTERS
- HQ IMAGE/3D METHOD
- 256 GRADATIONS
- MULTI-SCREEN PRINT
- POSITIVE/NEG REVERSAL
- VARIETY OF OUTPUT

IN STOCK

AUTHORIZED DEALER

CLEANER FREE GIFT

AZDEN

STEADICAM $399

WMS PRO $139

Vidpro V-WS $39

WIRELESS MICS	
WHX-PRO	$179
WR2-PRO	$179
WR2-PRO SYSTEM	$359
WMS-200	$89
ECZ-990	$59

SIMA

SPM-4
- AC/DC QUICKCHARGER
- RECONDITIONER

$69

SPM-3 $49
- AC/DC QUICKCHARGER/DISCHARGER

SPM-1
- DC QUICKCHARGER

$19

SPM-7
- RECONDITIONER
- TESTER

$19

PRO EDIT 5 $329

CLEANER FREE GIFT

PRO EDIT 4 $199

AVAILABLE IN PAL

COLORWRITER $199

AVAILABLE IN PAL

JVC / SUNPAK

JXS-V55	$349	APT-200	$129
JXT-88	$229	RL-20	$29
JXT-66	$139	RB-80UL 3 HR	$89

AVAILABLE IN PAL — LIFETIME WARRANTY

Buyers Club $49.95

CALL FOR FREE CATALOG

FREE VACATION & $50 GIFT CERTIFICATE

COMPUTER VIDEO

DATAVISION

40 EXCHANGE PLACE, N.Y.,N.Y. 10005

800•482•7466

IN NY STATE 212-825-1990•OPEN 7 DAYS 8:30AM-11PM

Circle 27 on Reader Service Card.

MINIMUM 5% RE-STOCKING FEE

New West ELECTRONICS

. . .the folks who care

HONEST PRICES

FRIENDLY SERVICE

FAST DELIVERY

- CAMCORDERS
- VCRs
- INDUSTRIAL
- TVs AND MONITORS
- LASER DISC PLAYERS
- AUDIO COMPONENTS
- SPEAKERS
- KARAOKE
- BULK TAPE
- A COMPLETE LINE OF ACCESSORIES

ALL MAJOR BRANDS

FREE DELIVERY*

NO ADDITIONAL CHARGE FOR CREDIT CARDS

CODs & POs WELCOME

NEW WEST • A DIVISION OF CLARITY ELECTRONICS LTD.
4120 MERIDIAN • BELLINGHAM, WA. 98226

* ON CAMCORDERS AND VCRs

SPECIAL OF THE MONTH

Panasonic

AG-455U

THIS IS YOUR CHANCE TO BUY A GREAT CAMCORDER AT OUR LOWEST PRICE EVER!

- **S-VHS**
- **1-LUX LOW LIGHT**
- **STEREO SOUND**
- **10-1 ZOOM**
- **(VITC) TIMECODE**
- **F. E. H.**
- **OVER 400 LINES**
- **DIGITAL EFFECTS**
  - STROBE
  - STILL
  - 100X ZOOM

  AND MORE!

PACKAGE PRICE INCLUDES: HARDCASE, STANDARD ACCESSORIES, PANASONIC U.S.WARRANTY AND FEDERAL EXPRESS 2-DAY AIR DELIVERY!

DON'T MISS THIS GREAT DEAL FROM THE WEST'S LARGEST AUTHORIZED PANASONIC PROLINE DEALER!

CALL TOLL FREE

800-488-8877

ALL TIMES PST

MON-FRI 6:30AM-6:30PM
SAT 7:00AM-6:00PM
SUN 7:00AM-5:00PM

Circle 28 on Reader Service Card.

ABE'S OF MAINE

CAMERAS & ELECTRONICS

CALL TOLL FREE! IN NY & OUT OF STATE
1-800-528-2237

DISCOVER · VISA · MasterCard · American Express Cards · Diners Club International · COD

PRICES VALID UNTIL END OF MONTHLY ISSUE

1957 CONEY ISLAND AVE BROOKLYN, NY 11223

INTERNATIONALLY RENOWNED!

ORIGINALLY FROM OLD ORCHARD BEACH MAINE C.A. #0898874

Ask about OVERNIGHT DELIVERY

OPEN SUNDAYS!
10:00AM to 7:00PM EST
MON/THURS 9:30AM-8:30PM
FRIDAY 9:30AM-6:30PM
SUNDAY 10:00AM-7:00PM
SATURDAY CLOSED

TOLL FREE CUSTOMER SERVICE LINE
For Inquiries on orders already placed and Shipping Information from 9:30am-5:00pm EST
1-800-992-2379

Local &Overseas Call
1-718-645-1818
FAX NUMBER
1-718-382-8596

SATISFACTION, LOW PRICES AND EXCELLENT SERVICE GUARANTEED!

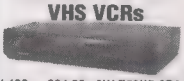
NO SURCHARGE ON CREDIT CARDS!

SONY

CAMCORDERS

CCD-TR500..1099.99 CCD-TR31....544.99
CCD-TR300..889.99 CCD-TR21....544.99
CCD-TR200..739.99 CCD-FX710.....CALL
CCD-TR101..999.99 CCD-FX620..629.99
CCD-TR91...839.99 CCD-FX520..579.99
CCD-TR71...564.99 CCD-FX420..524.99
CCD-TR65...669.99 CCD-FX310..509.99
CCD-TR61...584.99 CCD-VX3...2689.99
5 YR WARR.....CALL CCD-SC5.....669.99

SONY VHS VCRs



SLV-400....224.99 SLV-750HF.374.99
SLV-696HF.....CALL SLV-900HF.414.99
SLV-700HF.329.99 SLV-R1000.874.99

8MM VCRs

EV-C40.....CALL EV-C100....479.99
EV-A50.....334.99 CVD-500 VDeck.CALL
EV-S3000.1269.99 CVD-1000 "....CALL
EV-S2000.....CALL GV-S50.....734.99
GV-M20.....529.99

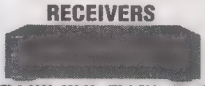
BETA VCRs

SL-S600.....CALL SL-HF360.....CALL
SL-HF2000.....CALL

SONY LASER DISCS

MDP-800.....CALL MDP-605...534.99
MDP-455...349.99 MDP-600.....CALL

SONY RECEIVERS

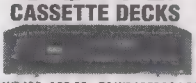


STR-D 2090..559.99 STR-D 711...274.99
STR-D 1011S....CALL STR-D 611...228.99
STR-D 1011..374.99 STR-D 511...164.99
STR-D 911...279.99 STR-D 311...119.99

SONY COMPACT DISC

CDP-C235...149.99 CDP-C625...224.99
CDP-C335...164.99 CDP-C735...269.99
CDP-C435...184.99 CDP-C910...269.99
CDP-C535...229.99 CDP-CX100 699.99
RME-300 509.99 RME-700...679.99
CVP-M3 Portable Color Video Printer 779.99

SONY CASSETTE DECKS



TC-WR435..129.99 TC-WR635S 194.99
TC-WR535..149.99 TC-C5.....219.99
TCK-611S.....249.99

SONY MINI COMPONENT SYSTEM

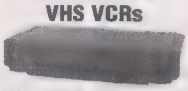
MHC-510...319.99 MHC-C50....449.99
MHC-610...384.99 MHC-C70....599.99
MHC-C90.....699.99

Panasonic

CAMCORDERS

PV-43.....689.99 PV-332.....559.99
PV-53.....869.99 PV-362.....639.99
PV-S63.....969.99 PV-S372....844.99
PV-IQ203...524.99 PV-S770....944.99
PV-IQ303...529.99 PV-760.....779.99
PV-IQ403...549.99 PV-800.....529.99
PV-IQ503...639.99 PV-810.....559.99
PV-910.....CALL

Panasonic VHS VCRs



PV-2301....164.99 PV-4351....249.99
PV-4301....189.99 PV-4361....309.99
PV-4311....199.99 PV-4362....339.99
PV-4314....234.99 PVS-4366...434.99
PV-S4380.....694.99

PRO VCRS

AG-1270....239.99 AG-1970..1194.99
AG-1280....249.99 AG-5700..1249.99
AG-1740....319.99 AG-W1.....CALL

PRO CAMCORDERS

AG-195.....889.99 AG-455....1469.99
AG-186.....CALL AG-460....2269.99
AG-3.....2239.99

PRO ACCESSORIES

WJ-AVE7.....CALL WJ-MX50.3789.99
WJ-AVE5..1049.99 WJ-MX30.1999.99
WJ-AVE3....319.99 AG-A96.....349.99
WJ-TTL5.....204.99 CT-1383Y...239.99

PIONEER

LASER DISCS

CLD-D702..699.99 CLD-M401..439.99
CLD-D502..449.99 CLD-M301..369.99
CLD-S201.....299.99
NEW CLD-A100 LASER ACTIVE & CONTROL PACKS.....CALL
KARAOKE CLD-V740.....509.99
KARAOKE CLD-V820.....599.99
KARAOKE CLD-V840.....CALL
WE CARRY PIONEER MICROPHONES!

PIONEER COMPACT DISC

PD-TM3.....299.99 PD-DMB02.219.99
PD-TM2.....294.99 PD-M702....169.99
PD-DM902.254.99 PD-M552....149.99
PD-M502.....144.99

PIONEER RECEIVERS

VSX-D1S.....769.99 VSX-502....299.99
VSX-D2S.....CALL VSX-452....219.99
VSX-D902S.669.99 VSX-402....189.99
VSX-D702S.489.99 SX-312R....159.99
VSX-D602S.419.99 SX-251R....139.99
VSX-512S...324.99 SX-201.....124.99

PIONEER CASSETTE DECKS

CT-WM62R.289.99 CT-W502R..149.99
CT-W802R..234.99 CT-W402R..134.99
CT-W602R..189.99 CT-W302R..124.99

Panasonic

AG-455 PROFESSIONAL

$1469

SPECIAL EFFECTS, S-VHS CAMCORDER DIGITAL STILL/GAIN UP, DIGITAL STROBE/ZOOM, ADVANCED RECORDING, 12X ZOOM WITH HI FI STEREO, LAMINATED AMORPHOUS HEAD

RICOH

8MM CAMCORDERS

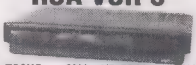
R-18H...CALL R17C.....CALL R-16....CALL

RCA

CAMCORDERS

PRO 930.....CALL CC-540.....CALL
PRO 883.....CALL CC-412.....CALL
PRO 840.....CALL CC-190.....CALL
PRO 830.....CALL CC-188.....CALL
PRO 808.....CALL CC-178.....CALL
CC-174.....CALL

RCA VCR'S



VR-720HF.....CALL VR-526A.....CALL
VR-667HF.....CALL VR-506A.....CALL
VR-664HF.....CALL VR-501.....CALL
VR-658HF.....CALL VR-323.....CALL
VR-657HF.....CALL VR-321.....CALL
VR-601HF.....CALL VR-319.....CALL
VR-537HF.....CALL VR-800 8mm...CALL

RCA LASER DISCS

LDR-500.....CALL LDR-600.....CALL

HITACHI

CAMCORDERS

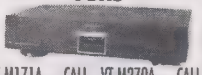
VM-H38A

IMAGE STABILIZATION, 470,000 PIXELS, 2 LUX, 16:1 ZOOM

8MM

VM-H39A.....CALL
VM-H57A.....CALL
VM-E53A.....CALL
VM-E55A.....CALL

HITACHI VCRs

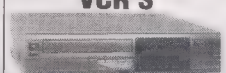


VT-M171A.....CALL VT-M270A.....CALL
VT-M272A.....CALL VT-F370.....CALL
VT-F372.....CALL VT-S772.....CALL

NIKON, FUJI, YASHICA CAMCORDERS ALL AVAILABLE!

JVC

VCR'S

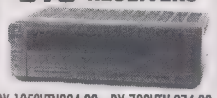


HR-J200....179.99 HR-VP606..334.99
HR-J400....194.99 HR-VP700..369.99
HR-J600....279.99 HR-S 4700.419.99
HR-VP404..219.99 HR-S 4900....CALL!
HR-VP604..299.99 HR-S 6800.549.99
HR-S 6900.....CALL!

CAMCORDERS JVC

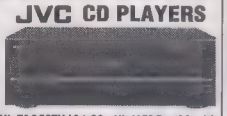
GRAX-75U..789.99 GR-M3U....464.99
GR-AX55U..589.99 GR-M5U....509.99
GR-AX35U..529.99 GR-M7UPro.669.99
GR-AX25U..499.99 GR-SX90....699.99
GR-AX5.....489.99 GR-SZ1....1224.99

JVC RECEIVERS



RX-1050VTN834.99 RX-709VTN 274.99
RX-905VTN 574.99 RX-509VTN 204.99
RX-809VTN 344.99 RX-309VTN 139.99

JVC CD PLAYERS



XL-Z1050TN434.99 XL-M515....234.99
XL-Z451TN.124.99 XL-M509TN219.99
XL-V261TN.114.99 XL-M409TN169.99
XL-V161TN...99.99 XL-F106BK....CALL!

JVC CASSETTE DECKS

TD-V1050TN369.99 TD-W309TN.144.99
TD-V661TN..224.99 TD-W209TN.149.99
TD-W709TN....CALL! TD-R441TN....CALL!

JVC MINI COMPONENT SYSTEM

MX-S2.....289.99 MX-C5.....434.99
MX-S4.....359.99 MX-C7.....579.99
MX-C9.....729.99

VIDEO PERIPHERALS JVC

JX-T66 Character Generator.....139.99
JX-T88 Character Generator.....224.99
JX-SV55 Video Editing Processor....334.99
JX-S100 VHS Switcher.....64.99
JX-S300 AV Selector.....184.99
JX-S700.....429.99
JX-S900 Remote Control AV/S-VHS Switcher.....444.99

LENMAR NOMEN
BATTERIES IN STOCK

AZDEN MICROPHONES
WE CARRY A FULL LINE
LOW, LOW PRICES...CALL

MITSUBISHI

VCR'S

HS-U28.....229.99 HS-U58.....384.99
HS-U38.....274.99 HS-U59.....464.99
HS-U48.....349.99 HS-U65.....569.99
HS-U56.....324.99 HS-U69.....CALL
HS-U56P.....369.99 HS-U82.....CALL

WE CARRY EWA MARINE

SPEAKERS

BOSE SPEAKERS
FULL LINE IN STOCK AT LOW PRICES!
WE CARRY YAMAHA RECIEVERS

SHARP

CAMCORDERS

VL-L72U.....CALL VL-HX10U.....CALL
VL-L63U.....579.99 VL-HL100U..1399.99
VL-E30.....744.99 VL-N1U.....509.99
VL-E40.....1099.99 VL-L390.....CALL

Canon

CAMCORDERS

L-2.....CALL UC-20.....CALL
A-1 Digital...999.99 E-65.....499.99
UC-1.....544.99 E-67.....564.99
UC-S1.....CALL E-250.....574.99
UC-S2.....CALL E-350.....629.99
UC-S3.....CALL E-520.....579.99
UC-S5.....CALL E-700.....CALL

WE CARRY CANON ACCESSORIES!

MINOLTA

CAMCORDERS

8-918.....1379.99 8-378.....CALL
8-848.....889.99 8-778.....CALL
8-808.....699.99 CC-550.....CALL
8-438.....549.99 CC-560.....CALL
8-428.....509.99 CC-570.....CALL

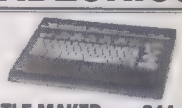
SUNPAK

NEW CZ-200 AUTO.....54.99
NEW CZ-200.44.99 CV-300 Auto..74.99
CV-300.....44.99 CV-20S Auto..54.99
CV-20S.....CALL!

GO.VIDEO

GV-3060X 4 Head/Hi Fi.....699.99

VIDEONICS



TITLE MAKER 344.99
Thumbs Up/Video Editor.....154.99
Edit Maker.....449.99
Video Equalizer.....214.99
Sound Effects Mixer.....114.99
MX-1 Mixer.....CALL
FOR DIRECT ED PLUS
Graphics Libraries.....37.99

sima

ED/it 2.....64.99 FX ED/it 4..179.99
ED/it 2X.....124.99 FX ED/it 5.....CALL
ED/it 3.....129.99 Screenwriter1 27.99
AND MUCH, MUCH MORE!

CITIZEN

3" COLOR MONITOR M-329
$119.99

M-938 3.8" COLOR MONITOR.....199.99
NEW MARK II.....CALL
CITIZEN AC Adaptor.....19.99
CITIZEN Car Adaptor.....29.99
CITIZEN TV Tuner.....59.99
CITIZEN M-329 Monitor PAL.....119.99

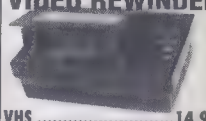
SPECIAL CLOSEOUTS

SAKAR 3X SUPER TELE CONVERTER
HI RESOLUTION, SHARP OPTICS
FITS MOST CAMCORDERS

REGULAR $199.99...**$99.99**

VCR PLUS.....24.99

VIDEO REWINDER



VHS.....14.99
8MM.....24.99
BETA.....19.99

TELEPHOTO & WIDE ANGLE LENS SET
FOR ANY CAMCORDER
SHARP OPTICS
HI RESOLUTION

REGULAR $149.99.... **$99.99**
WITH A CAMCORDER PURCHASE

WE CARRY BATTERIES & CAR CORDS FOR ALL CAMCORDERS!!!

SATISFACTION GUARANTEED WITHIN 7 DAYS OR MONEY BACK!

ALL CAMCORDERS COMPLETE AND FACTORY PACKED WITH BATTERY, CHARGER, ADAPTOR, CORDS, ETC.

Circle 20 on Reader Service Card.

COMPANY POLICY These are phone and mail order prices only. Prices are not valid in the retail showroom. If you wish to drive to the store, please call ahead to check in store availability and get the name of the salesman you spoke to. To order use Mastercard, American Express, Diners Club, Visa, Canon, Discover, Carte Blanche, COD orders welcomed or mail in money order or certified check. For personal checks, please allow at least 4 weeks from the date we deposit your check. Call toll-free for shipping & handling charges. All merchandise is brand new. Exchange or refund less shipping & less 5% restocking fee within 7 days only if returned in original mint condition with carton, packing, papers and unfilled warranty cards. NO EXCEPTIONS. Quantities limited. We reserve the right to limit quantities. Not responsible for typographical errors. *PRICES ARE VALID UNTIL END OF MONTHLY ISSUE.* Products offered carry International Warranty unless stated otherwise. USA Products vary in cost. Call toll free.

VIDICOMP

We Will Beat any Authorized Stocking Dealers Price On Any Product We Carry

Your Industrial/Professional Experts!

Export Inquires Welcome!
Se Habla Español

Panasonic
S/VHS CAMCORDER

AG-455

S-VHS Camcorder/Source VCR for Editing, 12x. 2 Speed Zoom lens, 24x & 100x Digital Zoom, Digital Special Effects, Wipe, Fade, Mix, Strobe, etc. Special Effects

Panasonic
CAMCORDER

AG-195

VHS Camcorder with Digital Special Effects, 8x Zoom lens with 2 speeds, Digital 12x or 100x zooms,Digital Speical Effects like wipe, fade, strobe and mix.

Panasonic
EDIT SYSTEM

AG-1970 AG-1970 AGA96

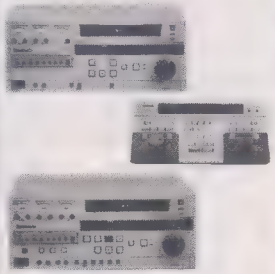
S-VHS/VHS editing, insert and assemble edit, Hi-Fi Stereo sound. Jog shuttle search, and Multiple programmable edits

Panasonic
AG-EP60

COLOR VIDEO PRINTER

Capable of making prints from VCR's, Camcorders, Cameras, TVs and Computers. Split print features can produce passport photos.

Panasonic
AG-7650H /AG-7750H /AG-A770



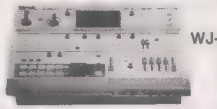
SVHS editing system w/built-in digital TBC & noise reduction for excellent multi-generation dubbing quality, 4 CH of audio/on, screen menu for set-up and data, RS-422 controller has 128 event memory, auto-tag and split editing for fast and accurate editing (+/-0 frames accuracy w/TC)

Panasonic

DS-5050 DIGITAL PROCESSING CAMERA

3 fit CCD camera package 750 lines res. for excellent picture quality, SVHS docking recorder with amorphous heads for improved picture quality and long life, complete w/ shotgun mic and carrying case. (Lens optional)

Panasonic



WJ-MX50

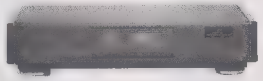
Digital special effects switcher with 4 Y/C and/or composite inputs, 287 digital effects, 4 channel audio mixer w/ balanced XLR/line level audio inputs, chroma & luminance keyer, 2 channel color corrector. Also available WJ-MX30 and WJAVE-5.

Panasonic

AG-3 WORLD'S SMALLEST 3 CCD CAMCORDER

Built-in digital TBC, digital signal processing, digital noise reduction for luminance, digital field NR for chrominance, manual iris, digital wipe, mix, still/strobe, snapshot.

Panasonic
AGW1

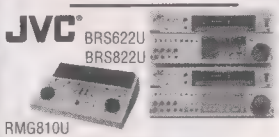


Multi standard VCR w/built-in standard converter, plays & records PAL, NTSC, SECAM & other international formats.

JVC
GYX2U

One piece camcorder 3 CCD Camera with full size S-VHS recorder built-in, very low light 3 lux, 13x or 17x optional lenses.

JVC



BRS622U
BRS822U
RMG810U

PROFESSIONAL EDITING SYSTEM

S-VHS insert and assemble editing. 4 channel audio, optional plug in time code and TBC's.self diagnostic warning system, automatic head cleaning,on screen menu display. Recorder has built-in single event recorder.

SONY
EVW-300

3 CCD/HI-8 CAMCORDER

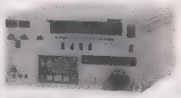
One piece camcorder, very portable, High Density 1/2" IT CCD's AFM HiFi recording, 1.5" Viewfinder, Hi8 Time Code, Auto trace white balance. Please call for a detail brochure.

SONY
EVO-9720

HI-8 EDIT SYSTEM

Single unit with built-in play and record VCR's,Assemble & Insert editing, S-Video In and Out connectors. Jog shuttle, dial search at19x the normal speed. Call for detail brochure.

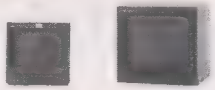
SONY



U-MATIC VTR's

U-Matic & U-Matic SP video players and recorders in stock for immediate delivery. Some of the model numbers we stock VP-7020, VP-7040, VP-9000, VO-9600, VO-9800, VO-9850.

SONY



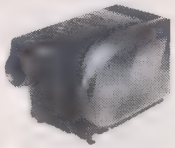
VIDEO MONITORS

We carry different size 8" to 32" video monitors with 400-600 lines of resolution. Some of the models we stock: PVM-5041Q, PVM-1390, PVM-1341, PVM-1344Q, PVM-2030/BS.

VIDEO/DATA PROJECTORS

Several different brands of video and data projectors available. Please tell us your application and we will recommend one suitable for your needs.

LCD PROJECTORS



We carry Sanyo and other name brand LCD video/data projectors. Please inquire for current model numbers and pricing.

FutureVideo

EDIT CONTROLLER

Featuring the EC-1000 "Pro Mk II" w/a built in RS-232 port for computer control. Hrs., min., sec., frame display. Reads RC time code. 8 scene memory. Compatable w/ control L&S VTRS and Panasonic AG-1960/1970.

VIDEONICS

TITLE MAKER

Over 400 lines resolution, Several different font styles,Outline and Drop shadow,Scrolling many different backgrounds. An excellent product at a valued price.

SAMSON
WIRELESS MICS

MR1 Compact receiver with dbx noise reduction. Removable flexible antenna, uses 9V battery. There are several diffent Lavaliere and Hand held microphone options available suited for different types of application. Microphones used are Shure or Sony. Please call for recommendations.

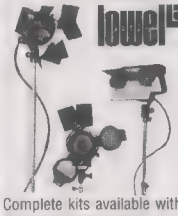
BATTERY BELTS

Battery belts available in 12Volts or 30Volts with 6, 12 or 20 power. Both cigarette lighter or 4 pin XLR output available. Please specify when ordering.

anton bauer BATTERIES

Industry standard BRICK batteries in different series (Pro-pack, Logic or Digital Pro-pack) available. The state of art battery system for all manufacturers of cameras & VTRS.

lowel



LOWEL LIGHTS

Complete kits available with 2/3/4 lights. FREE CASE INCLUDED.

OTHER PRODUCTS

Sony BetaCam Sp
Vinten Tripods
Miller Tripods
NRG Batteries
Mathews Lighting Equipment
Chyron Character Generator
CMX Editors

Special Tape Sale Please Call!

PANASONIC JVC SONY PROFESSIONAL / INDUSTRIAL AUTHORIZED DEALER SERVICE CENTER

VIDICOMP BROADCAST SYSTEMS CO.

232 West 38th Street, Houston, TX 77018
Order 1-800-622-6599 USA & Mexico

Open Monday - Friday 9:00 a.m. - 6:00 p.m. C.S.T.
Houston & Customer Service (713) 694-6400
Fax 1-800-833-1960 or (713) 699-6700

DISCOVER MasterCard VISA

Purchase Orders Accepted From Most Federal & State Agencies, Schools & Universities

All merchandise shipped with manufacture supplied accessories. Extended warranties available on some products. We ship within one working day via UPS or Federal Express. Prices quoted over the phone are for mail order only. In-store prices may be slightly higher. All prices quoted are F.O.B. Houston & all sales are final. Defective mechandise must be exchanged within 10 days of receipt of goods. Please call for exchange authorization. All prices subject to change without notice. Vidicomp is an authorized GSA Supplie

Circle 30 on Reader Service Card.

15 Years Experience

NY RESIDENTS
CALL 800-897-4793
INFORMATION
CALL 718-265-6800
FAX 24Hrs.718-265-1754
CUSTOMER SERVICE
CALL 718-265-1723
OVERNIGHT SHIPPING AVAILABLE!
WE ACCEPT ALL MAJOR CREDIT CARDS WITH NO SURCHARGE!

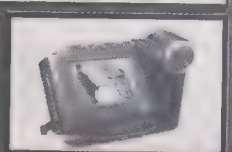
COAST TO COAST

CAMERAS • AUDIO • VIDEO

1-800-788-5555

STORE HOURS
SUNDAY 10-6
MON-THURS 9-8
FRIDAY 9-5
SATURDAY CLOSED
2570 86TH STREET
BROOKLYN NY 11214

SATISFACTION GUARANTEED within 14 Days



Panasonic OMNIVISION VHS

CAMCORDERS

PV-43	737.97
PV-53 COLOR VIEW	887.97
PVS-63	987.97
PV-810	567.97
PV-800	537.97
PV-760	787.97
PV-S770	957.97
PVS-372 SUPER	**CALL**
PV-362	FOR BEST
PV-332	PRICE!
PV-IQ503	667.97
PV-IQ403	567.97
PV-IQ303	547.97
PV-IQ203	529.97

VHS VCRS

PV-S4380	**707.97**
PV-S4366	437.97
PV-4362	327.97
PV-4361	307.97
PV-4351	257.97
PV-4314	237.97
PV-4311	207.97
PV-4301	187.97
NEW PV-2401	CALL
NEW PV-4400	CALL
NEW PV-4401	CALL

PROFESSIONAL (INDUSTRIAL)

AG-5700	**CALL**
AG-W1	1497.97
AG-1970	1199.97
AG-1740	CALL
AG-3	FOR
AG-195	BEST
AG-460	PRICE
AG-455	**1477.97**

MIXERS

FEATURE DEAL OF THE MONTH
AJ-MX30...1977.97!

WJ-AVE5	CALL
WJ-MX12	FOR
WJ-MX50	PRICE

MONITORS...CALL

CT-1383Y	BEST
CT-2083Y	PRICE

MULTI SYSTEM WORLDWIDE...CALL

TV'S COMBO/ VCR'S

Panasonic
AIWA SONY
HITACHI
AKAI SHARP
JVC
FUNAI SANYO
TOSHIBA

JVC

CAMCORDERS

GR-SZ1	1197.97
GR-SX90	687.97
GR-M7-U PRO	674.97
GR-AX25U	497.97
GR-AX35U	527.97
GR-AX55U	597.97
GR-AX75U	**767.97**

VHS VCRS

HR-S6900 SUPER	**CALL**
HR-S4900 SUPER	**CALL**
HR-S6800 SUPER	**547.97**
HR-S4700	437.97
HR-VP700	**367.97**
HR-VP606	337.97
HR-VP604	297.97
HR-VP404	**217.97**
HR-J600	277.97
HR-J400	187.97

RECEIVERS

RX-309 VTN	CALL
RX-509 VTN	207.97
RX-709 VTN	267.97
RX-809 VTN	347.97
NEW RX-815	CALL
RX-905 VTN	577.97
RX-1050 VTN	837.97

CD PLAYERS

XL-F206 BK	CALL
NEW XL F211	**167.97**
XL-F106 BK	CALL
XL-M409 TN	167.97
XL-M509 TN	217.97
XL-V161 TN	107.97
XL-261 TN	117.97
XL-Z451 TN	127.97
XL-Z1050 TN	437.97
NEW MXC100	557.97

CASSETTE DECKS

TD-R441 TN	CALL
TD-W209 TN	117.97
TD-W309 TN	147.97
TD-W709 TN	CALL
TD-V661 TN	CALL
TD-V1050 TN	367.97

VIDEO EDITORS

JX-S900	447.97
JX-S300	177.97
MZ-707 MIC	127.97
JX-SV55	347.97
JX-T88	217.97
JX-T66	137.97

PLEASE ASK ABOUT ANY NEW OR OLD MODEL NOT SHOWN

CITIZEN MONITORS

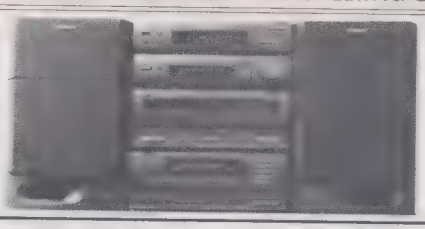
M-329 II	CALL
M-938	CALL

We Also Carry...

BOSE
Technics KENWOOD
NADY SYSTEMS
YAMAHA
VIDEONICS

SONY

CAMCORDERS • VHS VCRS • 8 MM VCRS • LASER DISCS • RECEIVERS • AND CASSETTE DECKS • BETA VCR'S



MINI COMPONENT SYSTEMS

SONY

• MHC-510 AM/FM • CD PLAYER • CASSETTE PLAYER • MHC-610 AM/FM • CD PLAYER • CASSETTE PLAYERL • MHC-C50 5+1 CD CHANGER • DUAL CASSTTE PLAYER • MHC-C70 50 WATTS x 2 • MHC-C90 100 WATTS x 2.....CALL FOR LOWEST AUTHORIZED PRICE

JVC

MX-C9	727.97	MX-C4	357.97
MX-C7	577.97	MX-S2	CALL
MX-C5	427.97		

AIWA Mini Max!!

NSX-D707	**CALL**	NSX-3200	**PRICE**
NSX-3500	**TOLL FREE**	NSX-3100	**COAST**
NSX-510G	**FOR**	LCX-01	**TO**
NSX-3300	**BEST**	LCX-07	**COAST**

PIONEER The Art of Entertainment

MINI SYSTEMS

CCS-470	**CALL**
CCS-370	**CALL**
CCS-170	**CALL**

FISHER HOME AUDIO...CALL

MITSUBISHI VCRS

HITACHI TOSHIBA

CAMCORDERS

VMS-8200A S-VHS	CALL
VM-2600A VHS	CALL
VM-1600A VHS	CALL

ELECTRONIC IMAGE STABILIZER MODELS

VME-53A	CALL
VME-55A	CALL
VME-57A HI-8	**CALL**
VMH-38A 16X ZOOM	CALL
VMH-39A COLOR EIS	**CALL**

VCRS

VTM-272A	CALL
VTM-370A	CALL
VTM-372A	CALL
VTF-772	CALL

M459	**4 HEAD**	CALL
M649	**HI-FI**	FOR
M659	**VCR+**	OUR
M759	**F.E.H.**	BEST
NEW M769C		PRICE

GO.VIDEO

FEATURED DEAL OF THE MONTH
MODEL 3060...CALL FOR INCREDIBLY LOW PRICE!

3020		519
3040		CALL
3050	DUAL DECKS	667
3070		PRICE

SHARP

ASK ABOUT SHARP REBATES

VLE-30 VIEWCAM	697.97*
NEW VLE40	CALL
VL-HL100U VIEWCAM	**1327.97**
VL-L63 SLIMCAM	1327.97
NEW VLL-390	CALL

ASK ABOUT VIEWCAM REBATES

RCA

CAMCORDERS

CC 188	**CALL**
CC 190	**CALL**
CC 540	**CALL**
PRO 840	**FOR**
PRO 830	**BEST**
PRO 930	**PRICE**

VCRS

VR 800 HI-FI 8MM	**CALL**
VR 323	**NOW**
VR 506A	**TOLL**
VR 526A	**FREE**
VR 601HF	**FOR**
VR 664 HF	**BEST**
VR 720 SUPER HF	**PRICE**

Canon

NEW L-2 (PRO)	**CALL**
NEW UCS5 EIS	**NOW**
NEW E700 EIS	**FOR**
E-250	**BEST**
E-350	**PRICE**
E-520	579.97
UC-52	747.97
A1 DIGITAL	**1097.97**

Quasar

VCRS

VH 230	CALL
VH 430 HF	CALL
VH 434 HF	CALL
VH 435	CALL

CAMCORDERS

VM 100	CALL
VM 530	CALL
VM 539	CALL

Nikon

CAMCORDERS

NEW VN 340	**CALL**
VN 550	CALL
VN 750	CALL

5 YEAR WARRANTY AVAILABLE

RICOH

CAMCORDERS

R-16	CALL
R-17C	CALL
R-18H	CALL

6 YEAR WARRANTY AVAILABLE

PIONEER

The Art of Entertainment

RECEIVERS

NEW VS-21D	CALL
SX-201	PLEASE
SX-251R	CALL
SX-312R	FOR
VSX-402	OUR
VSX-452	BEST
VSX-502	PRICE
VSX-512S	PLEASE
VSX-D602S	CALL
VSX-D702S	FOR
VSX-D902S	BEST
VSX-D1SII	**PRICE**

WE CARRY NEW LASER INTERACTIVE LASERDISCS

CLD-M401	CALL FOR
CLD-D502	BEST
CLD-D702	**PRICES!**

KARAOKE

CLD-V720	CALL
CLD-V820	FOR
NEW CLD-V740	**BEST**
NEW CLD-V840	**PRICE**

COMPACT DISC PLAYERS

PD-M502	BEST
PD-M502	PRICE
PD-M552	BEST
PD-M702	PRICE
PD-802	BEST
PD-M901	PRICE
PD-M902	OUR
PD-TM2	BEST
PD-TM3	PRICES

CASSETTE DECKS

CT-W302R	BEST
CT-W402R	PRICE
CT-W502R	BEST
CT-W602R	PRICE
CT-W802R	BEST
CT-WM62R	PRICES!

OUR NEW LINE PIONEER ACCESSIORIES

AMPLIFIERS & TUNERS

VCA 7500	CALL
A 301	CALL
A 339	CALL
F 449	CALL
VSA 1000	CALL

GRAPHIC EQUALIZERS

SP 700D	CALL
GR 777	CALL
GR 555	CALL
GR 470	CALL

SPEAKERS

SX7	CALL
CSX5Q	CALL
X5V	CALL
CSC 403	CALL
CSC 400	CALL
CSC 250II	CALL
SC 55K-H	CALL
SW 1000	CALL

POWER SUBWOOFERS

SW 1000	CALL

CENTER CHANNEL SPEAKERS

CSC 3000	CALL

FULL LINE OF HI-END MICROPHONES

ASK ABOUT OUR EXCLUSIVE AUDIO SERVICE CONTRACT

Circle 71 on Reader Service Card

TIFFEN LOWE PRO SLIK POWERMATE SP STUDIO SYSTEMS CITIZEN sima

These are mail order prices only. In store prices may vary. If you are planning on coming to the store, please call in advance to reserve merchandise for pickup. We welcome all major credit cards with no surcharge. COD welcome, money order and certified checks. Allow 2-3 weeks for personal check clearance. Please call customer service for prior return authorization # before shipping. Shipping and handling is non refundable. All returns subject to restocking fee, and must be returned in original box, and in original mint condition, with unfilled warranty cards. No exceptions. Some items listed are Some items are imported & do not carry manufactures warranty. In some cases Coast To Coast provides its own warranty. USA manufacturer's warranty may be additional. Not responsible for typographical errors. Thank you for shopping with Coast to Coast, where service is the most.

•P.O.'s, C.O.D.'s and Personal Checks Welcome

HOURS: Monday - Saturday 8 am to 9 pm
Sundays 10 am to 6 pm (CST)

MAIL ORDER FINANCING AVAILABLE

COLONEL VIDEO & AUDIO

COLONEL VIDEO & AUDIO

Apply today for your own Colonel Video & Audio Gold Card

Call For Your FREE 64 PAGE Comprehensive Buyers Guide

UNBEATABLE

•24-Hour Order Processing •Friendly, Honest, Knowledgeable •No Sales Tax Outside Texas

AUTHORIZED DEALER

AZDEN, bogen, Canon, DC, Infinity, JBL, GO.VIDEO, HITACHI, LENMAR, MAGNAVOX, Panasonic, JVC, Quasar, KENWOOD, PHILIPS, LaserKaraoke, PIONEER, RCA, sima, Sony Tape, RICOH, SHARP, TOSHIBA, TUNDRA, VIDEONICS, YAMAHA

1-800-423-VCRS (8277) Orders Only

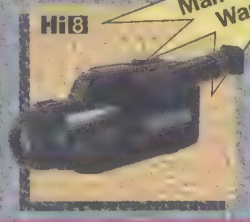
(713) 486-8200 Customer Inquiries and Service

1-800-VIDEO-97 Repeat Callers

(713) 486-8300 24 Hour Fax Line

•Authorized Dealer For Everything We Sell

Full Manufacturer's Warranty



SONY

10x power zoom, Pop-Up remote receiver, superimpose with scroll, remote control, 7-speed shutter and more!

Call Ed @ Ext. 537 for all video PAL/SECAM needs

Also Available in PAL/SECAM: VCR • Television • Camcorders

HITACHI

8mm Camcorders
VM-E53A, VM-E55A, VM-H38A, VM-H39A, VM-SP1A

VHS Camcorders
VM-1600A, VM-2600A, VM-S8200A

Video Recorders
VTM-161A, VTM-270A, VTM-272A, VTF-361A, VTF-362A, VTF-370A, VTF-462A, VTS-772A

JVC

VHS-C Camcorders
GR-AW1, GR-AX50, GR-AX25, GR-M7 PRO, GR-AX35, GR-SX90, GR-AX55, GR-SZ1, GR-AX75

Video Recorders
HR-J200, HR-VP606, HR-J400, HR-VP700, HR-J404, HR-S4700, HR-J600, HR-S4900, HR-DX62, HR-S6900, HR-VP604

Panasonic

Full Line Panasonic Dealer

IQ-203
VHS-C •1 Lux •10x Zoom

Discount Prices

Canon

E250, UCS2, E520, UCS3, E700, UCS5, UC1, A1 DIGITAL, UC20, L2

We Carry All Accessories

RCA

8mm Camcorders
Pro-808, Pro-883HB, Pro-830, Pro-930, Pro-840

VHS Camcorders
CC-412, CC-540, CC-507

Video Recorders
VR-319, VR-664HF, VR-501, VR-667HF, VR-601HF, VR-720HF, VR-658HF, VR-800HF

RECEIVERS
120-Watt Pro Logic Receiver
On-Screen display, programmable remote control, DSP digital signal processing, digital equalizer, digital expansion and much more!

COMPACT DISCS
5-Disc Player with Custom Memory
DSP-digital signal processing, optical digital output, variable line output, and much more!

TAPE DECKS
6-Motor Drive Auto Reverse Cassette Deck
Quick reverse, blank skip, fine bias adjustment, Dolby B/C, double auto reverse and much more!

HITACHI

Hitachi Projection TV
46EX3B, 50UX15K, 46EX4K, 50SX5P, 46UX12B, 55EX7K, 46UX13K, 60SX3B, 50EX6K, 60SX4K, 50UX14B

Call For 13"-35" Prices!

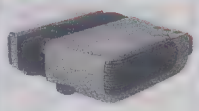
JVC

NV-55BX4
55" 16:9 Stereo Projection Television

SHARP

VL-L290U, VL-HX10, VL-L63U, VL-E30, VL-N1, VL-HL100

LCD PROJECTOR



HIGH RESOLUTION LCD PROJECTION VIDEO MONITORS
North America's Largest LCD Projection Dealer

TOSHIBA

Toshiba
CX35C80/81, CF30C50, CX35C60, CF30C40, CF35C40, CF27C50, CX32C80/81, CF27C40, CF32C50, CF27C30, CF32C40

Large Selection

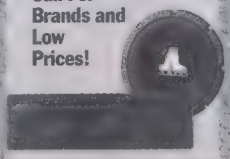
YAMAHA

RACK SYSTEMS IN STOCK

RCA

G-34169ET
16x9 Wide Aspect Tube Contemporary Console with Digital Special Effects!
Call For 13"-35" Prices!

CAR STEREOS
Discount Prices
Large Selections
Call For Brands and Low Prices!



SONY

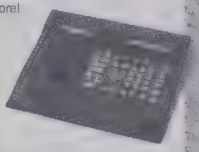
Colonel Video & Audio is North America's Largest Distributor Of Sony Tape

VHS, Beta, SVHS, Hi8

SPEAKERS
Infinity, Yamaha, DA, JBL

VIDEONICS

MX-1 Digital Video Mixer
4 input switcher, dual TBC's, over 200 digital effects and more!



Sound Mixer, Editmaker, Processor Plus, Titlemaker, Graphic Libraries, Thumbs Up, Video Equalizer

CAMCORDER ACCESSORIES

Replacement Batteries, Tripods, Microphones, Wireless Microphones, Video Lights, External Batteries, Editors, Processors and Much More!

We've Got Them All!

Defective exchanges may be made within 7 days of receipt after prior authorization. All returned merchandise must be in new condition and include packaging and printed material in original unaltered condition. Returns may be subject to a restocking fee. Shipping and handling charges non-refundable. We are not responsible for typographical errors. Shipping and handling is extra. These are phone and mail order prices only. Prices are not valid in the showrooms or to the customers within 150 mile radius. If you wish to drive to the store please phone ahead to check the in-store price. *Ask for details. **Colonel Video and Audio, 16451 Space Center Blvd., Houston, TX 77058**

"SHOPPING WITH US IS AS PLEASANT AS A WALK IN THE PARK"

MARINE PARK CAMERA & VIDEO INC.

BUSINESS HOURS
Mon-Thur 9:30am to 8:00pm
Friday 9:30am to 6:30pm
Closed Saturdays
Sunday 10:00am - 7:00pm
3126 AVENUE U
BROOKLYN N.Y. 11229

TO ORDER TOLL FREE CALL !

1-800-448-8811

FOR INQUIRIES ON PLACED ORDERS
718-891-1844

LOCAL & OVERSEAS CALL
718-891-1878

COD

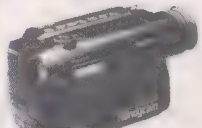
WE ACCEPT MAJOR CREDIT CARDS
WITH ABSOLUTELY NO

WE SHIP WORLDWIDE ! OVERNIGHT SHIPPING AVAILABLE !

CANON NIKON MINOLTA PENTAX VIVITAR TOKINA SONY JVC PANASONIC SHARP PIONEER

SONY

CCD-TR101 ..... $999.99
10X1 ZOOM, HI8MM, IMAGE STABILIZER, PALM SIZE



CCD-TR500 ..... $1099.99
COLOR VIEWFINDER, IMAGE STABILIZATION

CAMCORDERS

CCD-FX710	CALL
CCD-FX620	629.99
CCD-FX520	579.99
CCD-FX420	524.99
CCD-FX310	509.99
CCD-TR500	1099.99
CCD-TR300	889.99
CCD-TR-91	839.99
CCD-TR-65	669.99
CCD-TR-61	584.99
CCD-TR-31	544.99
CCD-TR21	544.99
CCD-VX3	2689.99
CCD-SC5 3"Col Mon	669.99

CVP-M3 PORTABLE COLOR VIDEO PRINTER *$779.99*

CCD-TR200 ..... $739.99
HI-8, HOME TERMINAL FEATURE, SUPER QUICK ZOOM, 410,000 PIXELS

CCD-FX520 ..... $579.99
10X1 ZOOM, 1 LUX, HI-FI

Panasonic

FULL SIZE VHS

PV-S770	944.99
PV-910	CALL
PV-810	559.99
PV-800	529.99
PV-760	779.99
PV-700	479.99

VHS-C

PV-IQ503	639.99
PV-IQ403	549.99
PV-IQ303	529.99
PV-IQ203	524.99
PV-S63	969.99
PV-53	869.99
PV-43	689.99
PV-S372	844.99
PV-362	639.99
PV-332	559.99

PV-53 ..... $869.99
COLOR VIEWFINDER, IMAGE STABILIZER

PV-IQ503 ..... $639.99
COLOR LCD, V.F. HI FI STEREO, 1 LUX

PRO INDUSTRIAL LINE

AG-460	2269.99
AG-455	1469.99
AG-195	889.99
AG-186	CALL
AG-3	2239.99

VCRS

AG-W1	CALL
AG-5700	1249.99
AG-1970	1194.99
AG-1740	319.99
AG-1280	249.99
WJ-MX50	3789.99
WJ-MX30	1999.99
WJ-AVE7	CALL
WJ-AVE5	1049.99
WJ-AVE3	319.99
WJ-TTL5	204.99
AG-A96	349.99
CT-1383Y	239.99

JVC

GR-M5U $509.99

SHARP

Canon

VIDEO
Reader Service Card

Name _____ (please print)
Address _____
City _____ State _____ Zip _____
Telephone Number (with Area Code) _____

1. What size is your primary viewing TV?
   20"-25" A☐ 27"-25" B☐ 25"-27" C☐ 35"+ D☐
2. Approximately how many hours per day do you watch TV?
   0-2 E☐ 3-5 F☐ 6-10 G☐
3. How far in advance do you plan your TV viewing?
   1 hour H☐ 1 day I☐ 1 week J☐ No Planning K☐
4. Do you tape "series" programming (i.e. soap operas, mini-series)?
   Yes L☐ No M☐
5. Which sources do you use to plan TV viewing?
   Daily Newspaper N☐ Cable Guide O☐ Weekly Newspaper Insert P☐
   TV Guide Q☐ Other R☐
6. How many programs do you tape per week?
   1-5 S☐ 5-7 T☐ 7+ U☐
7. If programming your VCR was made easier would you record additional shows?
   Yes V☐ No W☐
8. Are you currently a subscriber to VIDEO? Yes X☐ No Y☐

Please circle product numbers to receive desired information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

Allow 6-8 weeks for delivery. Card expires 7/19/94. RS494

VIDEO
Reader Service Card

Name _____ (please print)
Address _____
City _____ State _____ Zip _____
Telephone Number (with Area Code) _____

1. What size is your primary viewing TV?
   20"-25" A☐ 27"-25" B☐ 25"-27" C☐ 35"+ D☐
2. Approximately how many hours per day do you watch TV?
   0-2 E☐ 3-5 F☐ 6-10 G☐
3. How far in advance do you plan your TV viewing?
   1 hour H☐ 1 day I☐ 1 week J☐ No Planning K☐
4. Do you tape "series" programming (i.e. soap operas, mini-series)?
   Yes L☐ No M☐
5. Which sources do you use to plan TV viewing?
   Daily Newspaper N☐ Cable Guide O☐ Weekly Newspaper Insert P☐
   TV Guide Q☐ Other R☐
6. How many programs do you tape per week?
   1-5 S☐ 5-7 T☐ 7+ U☐
7. If programming your VCR was made easier would you record additional shows?
   Yes V☐ No W☐
8. Are you currently a subscriber to VIDEO? Yes X☐ No Y☐

Please circle product numbers to receive desired information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

Allow 6-8 weeks for delivery. Card expires 7/19/94. RS494

•P.O.'s, C.O.D.'s and Personal Checks Welcome

HOURS: Monday - Saturday 8 am to 9 pm
Sundays 10 am to 6 pm (CST)

MAIL ORDER
FINANCING AVAILA

COLONEL VIDEO & AUDIO

COLONEL VIDEO & AUDIO

Apply today for you
own Colonel Videc
Audio Gold Car

Call For Your FREE 64 PAGE Comprehensive Buyers Guide

UNBEATABLE

•24 Hour Order Processing •Friendly, Honest, Knowledgeable •No Sales Tax Outside Texas

AUTHORIZED DEALER

AZDEN, Infinity, LENMAR, RCA, SHARP, bogen, MAGNAVOX, TOSHIBA, JBL, Panasonic, LaserKaraoke, PIONEER, sima, TUNDRA, Canon, GO.VIDEO, JVC, Quasar, Sony Tape, VIDEONICS, HITACHI, KENWOOD, PHILIPS, RICOH, YAMAHA

1-800-423-VCRS
Orders Only (8277)

(713) 486-8860
Customer Inquiries and Service

1-800-VIDEO-97
Repeat Callers

(713) 486-8300
24 Hour Fax Line

•Authorized Dealer For Everything We Sell

Full Manufacturer's Warranty

SONY

PAL/SECAM
Sony CCD-TR805E
Hi-8mm Camcorder
with SteadyShot

10x power zoom, Pop-Up remote receiver, superimpose with scroll, remote control, 7-speed shutter and more!

Call Ed @ Ext. 337 for all your PAL/SEECAM needs!

Also Available in PAL/SECAM:
VCR • Television • Camcorders

Full Line Panasonic Dealer

VIDEO
460 West 34th Street
New York, NY 10117-0460

PLACE STAMP HERE

VIDEO
460 West 34th Street
New York, NY 10117-0460

PLACE STAMP HERE

"SHOPPING WITH US IS AS PLEASANT AS A WALK IN THE PARK"

MARINE PARK CAMERA & VIDEO INC.

BUSINESS HOURS
Mon-Thur 9:30am to 8:00pm
Friday 9:30am to 6:30pm
Closed Saturdays
Sunday 10:00am - 7:00pm
3126 AVENUE U
BROOKLYN N.Y. 11229

TO ORDER TOLL FREE CALL !

1-800-448-8811

FOR INQUIRIES ON PLACED ORDERS 718-891-1844

LOCAL & OVERSEAS CALL 718-891-1878

COD

WE ACCEPT MAJOR CREDIT CARDS WITH ABSOLUTELY NO SURCHARGE

WE SHIP WORLDWIDE ! OVERNIGHT SHIPPING AVAILABLE !

CANON NIKON MINOLTA PENTAX VIVITAR TOKINA SONY JVC PANASONIC SHARP PIONEER

SONY

CCD-TR101 ..... $999.99
10X1 ZOOM, HI8MM, IMAGE STABILIZER, PALM SIZE

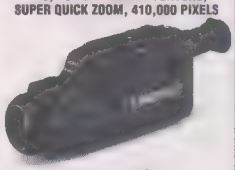
CCD-TR500 ..... $1099.99
COLOR VIEWFINDER, IMAGE STABILIZATION

CAMCORDERS

CCD-FX710	CALL
CCD-FX620	629.99
CCD-FX520	579.99
CCD-FX420	524.99
CCD-FX310	509.99
CCD-TR500	1099.99
CCD-TR300	889.99
CCD-TR-91	839.99
CCD-TR-65	669.99
CCD-TR-61	584.99
CCD-TR-31	544.99
CCD-TR21	544.99
CCD-VX3	2689.99
CCD-SC5 3"Col Mon	669.99

CVP-M3 PORTABLE COLOR VIDEO PRINTER *$779.99*

CCD-TR200 ..... $739.99
HI-8, HOME TERMINAL FEATURE, SUPER QUICK ZOOM, 410,000 PIXELS



CCD-FX520 ..... $579.99
10X1 ZOOM, 1 LUX, HI-FI

Panasonic

FULL SIZE VHS

PV-S770	944.99
PV-910	CALL
PV-810	559.99
PV-800	529.99
PV-760	779.99
PV-700	479.99

VHS-C

PV-IQ503	639.99
PV-IQ403	549.99
PV-IQ303	529.99
PV-IQ203	524.99
PV-S63	969.99
PV-53	869.99
PV-43	689.99
PV-S372	844.99
PV-362	639.99
PV-332	559.99

PV-53 ..... $869.99
COLOR VIEWFINDER, IMAGE STABILIZER

PV-IQ503 ..... $639.99
COLOR LCD, V.F. HI FI STEREO, 1 LUX

PRO INDUSTRIAL LINE

AG-460	2269.99
AG-455	1469.99
AG-195	889.99
AG-186	CALL
AG-3	2239.99

VCRS

AG-W1	CALL
AG-5700	1249.99
AG-1970	1194.99
AG-1740	319.99
AG-1280	249.99
WJ-MX50	3789.99
WJ-MX30	1999.99
WJ-AVE7	CALL
WJ-AVE5	1049.99
WJ-AVE3	319.99
WJ-TTL5	204.99
AG-A96	349.99
CT-1383Y	239.99

JVC

GR-M5U $509.99

GR-SZ1 ..... $1224.99

GR-M7U ... $669.99

GR-AX5	489.99	GR-AX25U	499.99
GR-AX75U	789.99	GR-M5U	509.99
GR-AX55U	589.99	GR-M3U	464.99
GR-AX35U	529.99	GR-SX90	699.99

PLEASE CALL FOR OTHER JVC PRODUCTS

SHARP

VL-L63U $579.99

VL-L72U ..... CALL

VL-N1U	509.99	VL-HL100U	1399.99
VL-HX10U	CALL	VL-L390	CALL
VI-E30	744.99	VI-E40	1099.99

Canon

A-1 DIGITAL $999.99

NEW L-2 Pro	CALL	UC-S1	CALL	E-65	499.99	E-250	574.99
UC-S5	CALL	UC-1	544.99	E-700	CALL		
UC-S3	CALL	UC-20	CALL	E-520	579.99	WE CARRY A FULL	
UC-S2	CALL	E-67	564.99	E-350	629.99	LINE	CALL

RCA

CC-540 VHS	CALL	PRO 930 8MM	CALL
CC-412 VHS	CALL	PRO 883 8MM	CALL
CC-190 VHS-C	CALL	PRO 840 8MM	CALL
CC-188 VHS-C	CALL	PRO 830 8MM	CALL
CC-178 VHS-C	CALL	PRO 808 8MM	CALL
CC-174 VHS-C	CALL		

MINOLTA

8-918	1379.99	8-438	CALL
8-848	889.99	8-428	509.99
8-808	CALL	NEW CC-550	CALL
NEW 8-778	CALL	NEW CC-560	CALL
NEW 8-378	CALL	NEW CC-570	CALL

RICOH

NEW! R-87H
Hi-8 • Home Terminal Feature
Super Quick Zoom • 410,000 Pixels
IN STOCK ...CALL

R-18H
Hi-8 • Digital Image
Stabilization • 10:1 Zoom
IN STOCK ...CALL

NEW R-16 ..... IN STOCK

HITACHI

VM-H57A
Hi-8mm Compact
16X F1.4 Lens System
1 Lux Minimum Illumination
Electronic Image Stabilization
CALL

VM-H38A	CALL
VM-H39A	CALL
VM-H57A	CALL
VM-E53A	CALL
VM-E55A w/Stabilizer	CALL

SONY VCR'S

8MM

EV-A50 .... 334.99

EV-C40	CALL
EV-C100	479.99
EV-S2000	CALL
EV-S3000	1269.99
CVD-500 V Deck	CALL
CVD-1000 V Deck	CALL
GV-S50	734.99
GV-M20	529.99

PLEASE CALL FOR OTHER SONY PRODUCTS

VHS

SLV-900HF $414.99

SLV-R1000	874.99
NEW SLV-750HF	374.99
NEW SLV-700HF	329.99
NEW SLV-400	224.99

BETA

SL-S600	CALL
SL-HF360	CALL
SL-HF2000	CALL

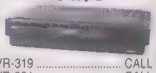
Panasonic VCR'S

PV-S 4380	694.99
PV-S 4366	434.99
PV-S 4362	339.99
PV-4361	309.99
PV-4351	249.99
PV-4314	234.99
PV-4311	199.99
PV-4301	189.99
PV-2301	164.99

JVC VCR'S

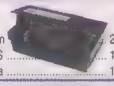
HR-S 6900	CALL
HR-S 6800	549.99
HR-S 4900	CALL
HR-S 4700	419.99
HR-VP700	369.99
HR-VP606	334.99
HR-VP604	299.99
HR-VP404	219.99
HR-J600	279.99
HR-J400	194.99
HR-J200	179.99

RCA VCR'S



VR-319	CALL
VR-321	CALL
VR-323	CALL
VR-501	CALL
VR-506A	CALL
VR-526A	CALL
VR-537HF	CALL
VR-601HF	CALL
VR-658HF	CALL
VR-664HF	CALL
VR-667HF	CALL
VR-720HF	CALL
VR-800HF 8MM	CALL

VIDEO REWINDERS



8mm	24.99
VHS	14.99
Beta	19.99

MITSUBISHI

HS-U82	CALL	HS-U56P	369.99
HS-U69	CALL	HS-U56	324.99
HS-U65	569.99	HS-U48	349.99
HS-U59	464.99	HS-U38	274.99
HS-U58	384.99	HS-U28	229.99

PIONEER

LASER DISC

CLD-D702	699.99
CLD-D502	449.99
CLD-M401	439.99
CLD-M301	369.99
CLD-S201	299.99
Karaoke CLD-V720	514.99
Karaoke CLD-V740	509.99
Karaoke CLD-V820	599.99
Karaoke CLD-V840	CALL

CALL FOR OUR NEW CLD-A100 LASER INTER-ACTIVE PLAYER
CLD-A100 CONTROL PACKS ..... CALL
PIONEER MICROPHONES AVAILABLE

RECEIVERS

VSX-D902S

VSX-D1S	769.99
VSX-D2S	CALL
VSX-D702S	489.99
VSX-D602S	419.99
VSX-512S	324.99
VSX-502	299.99
VSX-452	219.99
VSX-402	189.99
SX-312R	159.99
SX-251R	139.99
SX-201	124.99

CASSETTE DECKS

CT-WM62R	289.99
CT-W802R	234.99
CT-W602R	189.99
CT-W502R	149.99
CT-W402R	134.99
CT-W302R	124.99

CD'S PLAYERS

PD-TM3	299.99
PD-TM2	294.99
PD-DM902	254.99
PD-DM802	219.99
PD-M702	169.99
PD-M552	149.99
PD-M502	144.99

SONY

RECEIVERS

STR-D 311	119.99
STR-D 511	164.99
STR-D 611	226.99
STR-D 711	274.99
STR-D 911	279.99
STR-D 1011	374.99
STR-D 1011S	CALL
STR-D 2090	559.99

LASER DISCS

MDP-800	CALL
MDP-605	534.99
MDP-600	CALL
MDP-455	349.99

CASSETTE DECKS

TCK-611S	249.99
TC-C5	219.99
TC-WR635S	194.99
TC-WR535	149.99
TC-W435	129.99

CD'S

CDP-CX100	699.99
CDP-C910	269.99
CDP-C735	269.99
CDP-C625	224.99
CDP-C535	229.99
CDP-C435	184.99
CDP-C335	164.99
CDP-C235	149.99

MINI COMPONENT SYSTEMS

MHC-C90	699.99
MHC-C70	599.99
MHC-C50	449.99
MHC-610	384.99
MHC-510	319.99

WE CARRY A FULL LINE OF BOSE SPEAKERS

JVC

RECEIVERS

RX-1050 VTN	834.99
RX-905 VTN	574.99
RX-809 VTN	344.99
RX-709 VTN	274.99
RX-509 VTN	204.99

CASSETTE DECKS

TD-V1050 TN	369.99
TD-V 661TN	224.99
TD-R 441 TN	CALL
TD-W709 TN	CALL
TD-W309 TN	144.99

CD'S

XL-Z1050 TN	434.99
XL-Z451 TN	124.99
XLM-409TN	169.99

ACCESSORIES

VIDEONICS

Edit Maker	449.99
Video Equalizer	214.99
Thumbs Up	
Video Editor	154.99
Sound Effects Mixer	114 .99
Video Title Maker	344.99
Direct Ed Plus	359.99
Graphics Libraries	37.99
MX-1 Mixer	CALL

SIMA

ED/it 2	64.99
ED/it 2X	124.99
ED/it 3	129.99
FX ED/it 4	179.99
FX ED/it 5	CALL
Screenwriter	127.99
Colorwriter Magic	CALL
Copy Kit 2	29.99
Copy Kit 3	74.99
Stereo Sound Mixer	44.99

CITIZEN

COLOR MONITORS
M-329 3" ...119.99
M-938 3.8" 199.99

M-329 MkII	CALL
TV Tuner	59.99
Car Adapter	29.99
AC Adapter	19.99
M-329 3 inch color Monitor IN PAL available	119.99

SUNPAK

NEW! CZ200 Auto	54.99
NEW! CZ200	44.99
CV300 Auto	74.99
CV-300	44.99
CV-320	39.99
CV-20S Auto	54.99
Ready Light Remote Control AutoPan Head -AP1000	CALL 229.99

JVC

JX-T66 Character Gen	139.99
JX-T88 Character Gen	224.99
JX-SV55 Video Editing Processor	334.99
JX-S100	64.99
JX-S300 AV Selector	184.99
JX-S700	429.99
JX-S900 Remote Control A/S-VHS Switcher	444.99

Prices Valid only through the corresponding Magazine Issue. All Merchandise is brand new. **To Order:** Use any major credit card. COD's are welcome or send a money order, certified check or cashiers check. Please allow 4 weeks for Personal checks. Call for Shipping & Handling charges. Any refunds or exchanges must be made within 14 days of receipt of goods. All refund are subject to a 5% restocking fee. Shipping and Handling fee is non-refundable. All returns must be in original mint condition with original packing and unfilled warranty cards. Manufacturers box must be clean of any tape, writing or mutilations. **NO EXCEPTIONS**. These are phone and mail order prices only. Store prices and availability are different. If you wish to come into the store, please call ahead to check on availability and to reserve merchandise with salesperson. Remember the salespersons name. Some products carry international warranties. USA warranteed products vary in cost. Quantities are limited. We reserve the right to limit quantities. Not responsible for typographical errors.

FACTORY DIRECT

TO ORDER (800) 695-3535 FOR INFORMATION (212) 564-4398

WE ALWAYS BEAT OUR COMPETITIONS PRICE

HOME THEATER SALE

TELEVISIONS

TV SPECIALS

27 INCH STEREO ....399 | 35 INCH STEREO 999
30 INCH STEREO ....529 | 40 INCH STEREO ....CALL
31 INCH STEREO ....579 | 46 INCH REAR PROJ. 1199
32 INCH STEREO ....699 | 50 INCH REAR PROJ. 1499

NEW LOW PRICES...CALL

SONY

KV32TS36....859
KV32XBR36....1319
KV32XBR95S....IN STOCK
KV41EXR95....1729
KP46V15....CALL
KP53V15....CALL
KP61V15....CALL
KP53XBR25....2779

MITSUBISHI

CS-31301....849
CS-31302....CALL
CS-3530[illegible]....1289
CS-35[illegible]....1429
CS-3[illegible]....1809
VS[illegible]....CALL
[illegible]....CALL
[illegible]....CALL
[illegible]2....CALL
[illegible]071....CALL
[illegible]-5072....CALL
VS-6061....CALL
VS-7071....CALL

JVC

AV31BX4....
AV31BM4....
AV31BP4....
AV35BP3....279
AV35BP4....1310

[illegible]

35T[illegible]....CALL
3[illegible]....CALL
[illegible]....CALL
46[illegible]....CALL
46U[illegible]2B....CALL
46UX13B....CALL
50EX6B....CALL
50UX14B....CALL

TOSHIBA

CF30C40....CALL
CF30C50....CALL
CF32C40....CALL
CF32C50....CALL
CX-32C80....CALL
CX32C81....CALL
CF35C40....CALL
CX35C60....CALL
CX35C80....CALL
CX35C81....CALL

RCA-SHARP-PIONEER KARAOKE..CALL

RECIEVERS

MONTHLY SPECIALS

80W PRO-LOGIC REC....199 | 125W PRO-LOGIC REC....659
100W PRO-LOGIC REC....269 | SUBWOOFER....249
110W PRO-LOGIC REC....409 | SUB. W/4 SAT.SPEAKERS..349

JVC

RX-309TN....145
RX-509TN....214
RX-709TN....285
RX-905TN....599

SONY

STRD-790....249
STRD-990....299
STRD-1011....399
STRD-2090....639

FOR OTHER BRANDS, PLEASE CALL FOR BEST PRICE

CASSETTE DECKS

JVC

TDW-209....119
TDW-309....145
TDW-709....181
TDW-805....209

SONY

TC-W690....199
TC-WR790....254
TC-WR875....319
TC-C5....279

FOR OTHER BRANDS, PLEASE CALL FOR BEST PRICE

CD PLAYERS

JVC

CDP-297....114
CDP-397....124
CDP-497....145
CDP-997....265
CDP-C235....159
CPD-C425....185
CDP-C525....229
CDP-C625....244

SONY

XLF-207TN....165
XLV-161....104
XLV-251....109
XLZ-451....139
XLM-307....139
XLM-409....165
XLM-705....249
XLM-507....199

FOR OTHER BRANDS, PLEASE CALL FOR BEST PRICE

WE ALWAYS BEAT OUR COMPETITION'S PRICE!

ALL OUR PRODUCTS ARE FACTORY FRESH WITH FULL MANUFACTURERS USA WARRANTY
WE HAVE MORE MAIL ORDER EXPERIENCE THAN MOST OF THE ADVERTISERS COMBINED!!
GIVE US A CALL WHEN YOU ARE READY TO PURCHASE FOR THE BEST PRICE AND BEST SERVICE!!!

35 WEST 35TH STREET
NEW YORK, N.Y. 10001

continued from page 70

use a THX-approved, perforated screen and put the center speaker behind it. With a rear-projection TV, the only practical solution is to put the speaker on top of the TV, a look that'll send a design-conscious spouse running for the rolling pin. And a THX center speaker is simply too large to balance atop most direct-view sets.

Most non-THX systems use a horizontal center speaker that sits unobtrusively atop a TV. If you want the benefits of THX but can't deal with the center speaker, one solution is to use THX left and right speakers with a smaller speaker designed for use with the THX system, like M&K's S-90. You give up little in timbre-matching and voice intelligibility, but you gain much in spouse acceptance. Or you can wait for Atlantic Technology's new horizontal THX center speaker, which the company hopes to have by summer.

THE VERDICT

The bottom line is: For all-around listening, our jury preferred the B&W and Mirage non-THX systems. To be specific, most of our listeners preferred the Mirage, with a couple rebelling against the bipolar sound and casting their votes with B&W. Both speaker systems have faults, but we always enjoyed listening to them, no matter what the program material.

Choosing between the two is really a matter of preference. If you like the bipolar sound, a system based on Mirage bipolar speakers (or Definitive Technology BP-10s) is a great buy. If you don't, the B&Ws (or another pair of good audiophile main speakers matched with a center speaker that uses similar drivers) should make you happy. For those on smaller budgets, the Energy system is well worth checking out if you like a bright, exciting sound—some of our jury liked it a lot, some found it a little fatiguing.

Clearly, Lucasfilm had movies in mind when it created the specs for consumer THX systems, so it's no surprise that all of the THX speakers sounded terrific for movies. We feel that here, their benefits far outweigh their demerits. But for stereo music, they clearly have limitations compared to conventional systems at similar prices. So we recommend them for dedicated home theater installations, where music takes a back seat to movies.

B&W's neutrality makes it our favorite of the THX systems, although the M&K system definitely has merit—be sure to hear both before you buy. The JBL system provides most of these systems' benefits at a price competitive with affordable systems like those from NHT and Definitive Technology.

For those who can't adjust to the tall center speaker required (for now) for THX, M&K's hybrid system of S-90 front speakers and THX surrounds and subs makes sense—it sounds a bit less refined than its big brother, but produces a slightly more ambient sound.

Based on a demo Lucasfilm presented at CES (see "Vegas Victory Party," this issue), we think THX speakers hold promise for music reproduction once music recordings are released in Dolby's 5.1-channel Dolby Surround Digital format. They also improve when used with the surround simulation modes offered on most surround processors, but we're generally not partial to surround simulation. Until 5.1 happens, we think plain old stereo—heard through good music speakers—is the way to go for CDs.

Let the record show: For serious music listeners, conventional speakers are the best bet. For dedicated movie buffs, THX offers great sound without guesswork. If you fall somewhere in between, you'll have to conduct your own trial—with your local audio/video dealer as your courtroom and your laserdiscs and CDs as witnesses—to reach your own verdict. Ignore the hype and let your ears be the judge. ■

AMPS

continued from page 38

processor. Although it's rated at 100 watts per channel, we found it a little wimpy and veiled-sounding when compared to six Marantz MA-500s in our large home theater room. Our take on the KM-X1 is that it's best for a budget system in a 2,000- to 4,000-cubic-foot room. It's *very* convenient to use—one button turns on all six amps, and it has a 25-pin jack that allows a one-cable connection between it and the KC-X1. And at $149 a channel, it's affordable.

Just to get our audiophile ya-yas out, we compared the Marantz and Kenwood amps to a non-THX amp of good pedigree, Rotel's $600, 100-watt-per-channel stereo RBX-980BX. The amps sounded different, but we couldn't identify any sonic attributes particular to THX. The Rotel sounds smoothest, but with a smaller soundstage than the THX amps. The Marantzs take the prize for imaging, and produce a very clear but slightly hard top end. The Kenwood's sound is less detailed, and it can't match the others in imaging. Our favorite: the Marantzs *or* the Rotel, depending on the speakers used with them. ■

ALL EQUIPMENT IS FACTORY FRESH WITH FULL MANUFACTURERS WARRANTY

FACTORY DIRECT

Div.of THE SMARTER IMAGE

35 W. 35TH ST. NEW YORK, N.Y. 10001

OVERNIGHT DELIVERY GUARANTEED

INFORMATION (212) 564-4398 | PAL/SECAM (212) 564-4399 | 24 HR. FAX (212) 643-9727

BUYER'S CHOICE TOP RATED MAIL ORDER DEALER

TELEVISIONS
JVC-RCA-SONY
HITACHI-TOSHIBA
ZENITH-PIONEER
MITSUBISHI
PANASONIC

(800) 695-3535
FOR ORDERS ONLY

WHOLESALE PRICES DIRECT TO CONSUMERS

HOME THEATER HEADQUARTERS, FOR LOW PRICE CALL (212) 564-4398

PAL-SECAM- MULTISYSTEM UP TO 50% OFF!!!

RATED #1 IN SERVICE, SELECTION, AND SATISFACTION

AUTHORIZED DEALER - USA WARRANTY INCLUDED

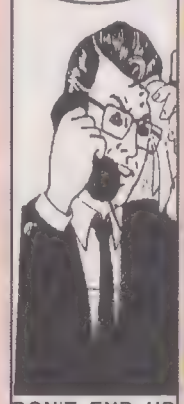
PANASONIC
CAMCORDERS
PV-43.....699
PV-53.....CALL
AG-3.....2199
PV-IQ303.....539
PV-IQ403.....565
PV-IQ503.....649
PV-S63.....979
PV-760.....789
PV-S770.....949
VCR'S
PV-4351.....239
PV-4361.....289
PV-4362.....305
PV-S4366.....CALL
PV-S4380.....699
TV'S.....CALL

GO-VIDEO
2070....479 3030....509
2030....499 CRP-02...78
3050.....659
3060.....CALL

MITSUBISHI
HS-U48.....349
HS-U58.....369
HS-U59.....449
HS-U69.....599
HS-U82.....729

SHARP
VL-HX10U.....PRICE
VL-HL30U.....749
VLL-72.....609
VL-MX7U.....589

SHARPVISION
REBATE
NEW MODELS....CALL
XV-120ZU.....1999
101TUWL.....2829
XVS-250U.....4629
XV-H30.....2895
XV-10PU.....IN STOCK
SMA-80XV.....CALL
SCREENS..FROM 99.00



DON'T END UP LIKE THIS MAN! GIVE US A CALL!

CANON
CAMCORDERS
UC-S5..... 1099
UC-S3.....929
E-350.....689
E-520.....599
E-700.....699
UC-52 CALL
L-2.....2299
ACCESSORIES
WIDE LENS.....49
TELE LENS.....49

RCA
CAMCORDERS
PRO-883HB....799
PRO-840.....569
PRO-930.....649
VR-800HF.....349

SERVICE CONTRACTS 50% OFF!

HITACHI
CAMCORDERS
VMH-39A..LOW
VMH-38A.....PRICE
VME-53.....LOW
VME-55.....LOW
VM-S8200A.....PRICE
VCRS
VTF-370.....LOW
VTF-372.....PRICE
VTF-462.....LOW
VTF-551.....PRICE
VTS-772A.....CALL

REMOTES
FOX-800.....45
ONE FOR ALL
4.....37 8.....[illegible]8
6.....52 12.....69

TV-VCR COMBO
13".....330

PANASONIC
PVM-2021A.....429
PVM-2042.....LOW
PVM-2071.....PRICE

VIDEO TAPE
MAXELL - TDK
SONY - -FUJI
T-30.....2.39
T-60.....1.99
T-120.....1.99
T-160.....2.69
T-120EHG.....2.39
T-160 HGX.....3.49
T-120 MASTER PRO4.29
T-120 S-VHS.....6.39
T-160 S-VHS.....9.29
T-180 S-VHS.....CALL
STC-30XRS.....7.29
8MM 60.....2.69
8MM 120.....2.89
Hi-8 MP60.....4.19
Hi-8 MP 120.....5.59
Hi-8 ME 60.....8.19
Hi-8 ME 120.....10.29
MAXELL BROADCAST
SONY PROFESSIONAL
FUJI H-471S PRO

REWINDERS
8MM.....24.95
PRO 8MM.....59.95
VHS-C.....29.95
VHS.....8.95
BETA.....29.95
PROWINDER..59.95

SONY
TR-101 CALL
TR-200.....709
TR-81.....749
TR-500.....1169
TR-31.....549
TR-61.....619
FX-420.....529
FX-520.....599
FX-620.....669
FX-710.....759
EVO150-TR.....1899
VX-3.....2649
VCR
SLV-400.....229
SLV-595HF.....309
SLV-700HF.....329
SLV-750HF.....329
SLV-900HU.....369
SLV-R5.....729
SLV-R1000.....879
BETA VCR'S.....CALL
8MM
EVC-100.....449
EVA-50.....319
EVS-2000.....CALL
EVS-3000.....1189
GVM-20.....539
GVS-50.....719

ALL ACCESSORIES IN STOCK!

RICOH
R-17.....LOW
R18H.....PRICE

NIKON
VN-330.....679
VN-750.....1099

FUJI
F-120.....569
F-122.....LOW PRICE
H-128.....CALL
P-401.....319
P-701.....579

MINOLTA
8-918.....CALL
WIDE LENS..119

JVC
GR AX-55U 599
GRM-7 PRO.....649
GR-SZ1.....1129
GRAX-35.....539
GRAX-55.....549
GR-AX50.....599
GRAX-75.....CALL
GRSX-90.....719
VCR
HR-J400.....199
HR-VP604.....299
HR-VP606.....329
HRJ-600.....269
HRVP-700.....369
HRS-4700...CALL
HRS-6800...539
HRS-4900.....499
HRS-6900.....569

ACCESSORIES
JXS-V55.....339
JXS-300.....179
JXS-900.....449
RMV-50U.....LOW
CBV-510U.....PRICE
JXT-66.....149
JXT-88.....239
TV'S .....CALL
ACCESSORIES CALL!

VIDEO BATTERIES
LENMAR...29.00
2 HOUR.....19.95
3 HOUR.....39.95
6 HOUR.....59.95
20 AMP HOUR.....124.95
10 AMP HOUR.....80.50

10,000 MAH BATT WILL RUN MOST CAMCORDERS FOR UP TO 7 HRS. WEIGHS UNDER 4 LBS. COMES WITH CHARGER AND ALL CONNECTORS NOTHING ELSE REQUIRED 69

TRIPODS
SLIK
523QF.....65
505QF.....115
506QF.....129
V-700 DOLLY.....52
722 HEAD.....55
BOGEN
3170....89 3150....239
3131....204 3183....435
3165....109 3144....35
3140....189 3145....36
AMBICO
0541.....64.95
0542.....59.95
0543.....47.95

ELMO TRANSFER

UNDERWATER
EWA-MARINE
UW HOUSING.....159
IKELITE.....CALL
SONY MPK.....CALL

LIGHTS
SUNPAK
CV20S.....39.95
CV-20S AUTO.....54.95
CZ-200 AUTO.....49.95
CV300 AUTO.....84.95
SPARE BULB.....18.95

MIKES
AZDEN
WMS-PRO.129.95
WRS-PRO...CALL
WM/T-PRO.....99.95
WHX-PRO.....157.95
DMH-80.....49.95
CAM-3.....41.95
WMS-200.....84.95
ECZ-770.....61.95
HS-V7.....16.95
TRANSFER-IT.....21.95
NADY
151VR/LT.....107
151VR/HT.....127
251VR/HT.....195
351VR/LT.....159
551VR/LT.....529
551VR/HT.....189
VC-100 BOOM MIC.....41
BM-500 STER. MIC.....37
MCM-400.....42
AVM-300.....52
SAMSON-MR1
ST-2 (L)
ECM-144.....309
AT-831.....359
ECM-44.....359
SH-2
AT PR-4.....349
SHURE SM-58.....369
SHURE SM-85.....519
SUPER TD SERIES
ECM-144.....469
ECM-44.....509
ECM-77.....649

VIDEO LENSES
TOKINA - RAYNOX
VIVITAR - KENKO
.05X WIDE.....39.95
2X TELE.....39.95
3.5X TELE.....84.95
4X TELE.....109.95
2.5-5X ZOOM.....329

SIMA
SCREEN WRITER 99
PRO-EDIT3.....99
VIDEO PRO MAGIC FX-5 289
FX-4.....159
COLORWRITER.....199
SPM-2.....19.95
SPM-3.....29.95
SPM-4.....39.95
ALL PRODUCTS..CALL

STEADICAM JR
$349

AMBICO
V-0635.....78
V-6310.....58
V-6306.....72
V-6305.....58
V-0629.....38
V-6350.....CALL
V-6300.....CALL

VIDEONICS
EDIT MAKER 439
LIBRARIES.....39
THUMBS UP.....129
EQUALIZER.....199
SOUND MIXER....119.95
TITLEMAKER....319

PAL / SECAM MULTI-SYSTEM
EUROPE - ASIA
AFRICA - MID EAST
S.AMERICA - AUST.
20 INCH TV.....319
VCR.....179

CAMCORDERS
8MM
SONY 549
HITACHI 599
CANON 699
SHARP 599
VHS
PANASONIC.....599
HITACHI.....699
VHS-C
PANASONIC.....599
JVC.....699
TV-VCR
MULTI-SYSTEM
PANASONIC
AIWA CALL
AKAI FOR
JVC OUR
SHARP LOW
TOSHIBA PRICES
SONY AND
HITACHI FREE
GRUNDIG ADVICE
PHILIPS

VIDEO TRANSFER $10 PER HR.

PRO-VIDEO
PANASONIC
AG-455... 1479
AG-460.....2279
AG-7450.....CALL
AG-7650.....CALL
AG-7750.....CALL
AG-1970.....CALL
AGA-96.....309
WJ-AVE7.....1249
WJ-AVE5.....1049
WJ-MX30.....1849
WJ MX-50.....3795
AG-W1.....1429
WJ-KB15.....179
WJ-TTL5.....209
AG-EP-60.....929
MONITORS
13".....FROM 229
20".....IN STOCK

FUTURE VIDEO
EC-1000.....CALL
EDIT LINK.....CALL
SOFTWARE.....CALL
EDIT LINK
V-STATION.....CALL
2000DT.....CALL

MONITORS
M-329.....109
CITIZEN MARK-2.....125
M-938...179
AC ADAPTOR.....19
DC CORD.....19
CASE.....17
SONY XVM-30.....329

SONY PRO
DXC-325/327.....CALL
EVO-9700.....4689

VIDEO PROJECTORS
FUJI P-40U.....269
FUJI P-701.....619
PANASONIC
PT-10L.....829
PT-30L.....LOW
PT-101Y.....PRICE
PT-301Y.....CALL
SONY.....CALL

HOME OFFICE
TELEPHONES
AT&T LOW
SONY PRICES
PANASONIC CALL
FAX
SHARP LOW
MURATA LOW
CANON LOW
TOSHIBA PRICE
PANASONIC CALL
BROTHER.....299
FAX MACHINE $199.95
COMPUTERS
LAPTOPS CALL
ROLODEX
EL64KPU 14
EL128K 14
EL64K 6
HEWLETT PACKARD
12-C 48S 159
17B 48SX 119
19B 95LX 369

AUDIO
PIONEER.....LOW
SONY.....PRICE
JVC.....CALL

OTHER BRANDS IN STOCK
RECEIVERS
CD PLAYERS
CASSETTE DECKS
SPEAKERS
LASER DISC
KARAOKE
UP TO 50% OFF

MINI COMPONENTS
SONY.....BIG
AIWA.....SALE
PIONEER.....GOING
JVC.....ON

CAR STEREO
UP TO 50% OFF
SONY.....FOR
PIONEER.....LOW
ALPINE.....LOW
KENWOOD.....PRICE
SPEAKERS.....CALL

PORTABLE CD
SONY
D-220....139 D421....229
D-121....109 D802....163
D-122....149 D808....189
D-822:CALL D828...CALL
JVC & AIWA..CALL
AIWA DAT IN STOCK!

WALKMANS
SONY
WMFX-43.....72
WMFX-50.....112
WMGX-35.....99
WMD6-C.....265
AIWA
HSPX-1000.....249
HSJ-707.....152
HSJX-707.....279

WATCHMAN
FD-285.....115
FDC-290.....105
FD-555.....119
FDL-380.....269
FDL-3500.....295
FDL-K400.....549

HEADPHONES
SONY-MDR
V-600.....57
D-888XR.....107
WIRELESS
IF5K.....98
IF-310K.....89
IF-510K.....139
JVC HA-W70.....145
RCA WHP-101.124.95
NADY WH-90.....76
ARKON
IR-1200.....62.95

RADARS
BEL
936W....105 966W.....185
956W....119 966STW....199
956WR..165 990-M.....175
UNIDEN
RD-6000W.....109
RD-7000W.....109

WE SHIP WORLDWIDE

Quantity limited. We are not responsible for typographical errors. Our prices reflect cash price and are good for mail order only. Shipping and handling extra and non-refundable. Returns and exchanges must be within seven days, and are subject to a ten percent restocking fee. CA#001836061

МЫ ГОВОРИМ ПО-РУССКИ

SE HABLA ESPANOL

OPEN: MONDAY-FRIDAY 9AM-6PM
SATURDAY-SUNDAY 10AM-5PM

"WE ALWAYS BEAT OUR COMPETITION'S PRICE"

Circle 34 on Reader Service Card.

CAMERA WORLD OF OREGON

500 S.W. 5th Avenue • Portland, Oregon 97204

CALL TOLL FREE **1-800-222-1557**

CUSTOMER SERVICE
Mon-Fri: 9am-5pm (PST)
(503) 227-6008

WEST'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!

BUYER'S CHOICE TOP RATED MAIL ORDER DEALER

OPEN 7 DAYS A WEEK!*
MON-SAT: 6am-6pm • SUN: 8am-5pm
Mail Order Division Hours Only (PST)

ALL EQUIPMENT IS BRAND NEW & FULLY GUARANTEED

17 YEARS OF EXCELLENCE

VIDEO CAMCORDERS • VIDEO CASSETTE RECORDERS

JVC

AUTHORIZED DEALER

VHS-C CAMCORDERS

GR-AX25	10x Power Zoom
GR-AX37 New!	Multi-brnd Rmt.
GR-AX70U* New!	Color View.
GR-AX75*	Dig. Image Stablz.
GR-M7Pro*	11x Power Zm.
GR-SZ1*	Super-VHS-C

* Comes with JVC case

VIDEO RECORDERS

HR-J210	New!
HR-J410	New!
HR-J600	4 Head. Hi-Fi
HR-VP412 New!	4 Hd • VCR+
HR-VP612 New!	Hi-Fi • Jog
HR-VP606	VCR++
HR-VP700	Flying Erase Hd

S-VHS VCRs

HR-S 4900	Hi-Fi, VCR+
HR-S 6900	S-VHS, VCR+

SHARP

AUTHORIZED DEALER

VHS CAMCORDERS

VL-L390U	12x Zoom	Call
VL-L63U*	Under 1 Lux	Call

* Comes with soft case

8mm CAMCORDERS

VL-E30	3" Diag. Monitor	Call
VL-E40	4" Diag. Monitor	Call
VL-HL100	Hi-8, 4" Mon.	Call

(Ask about $150 Rebate on VL-E40)

SHARP
3" Color Viewcam

Now everyone can see & hear the playback together, right on the view screen! Lightweight & easy to hold.

- 3" LCD color screen
- 8x power zoom lens
- Wireless remote

CALL FOR PRICE

SHARP
4" Color Viewcam

The first camcorder to replace the viewfinder with a big 4" color LCD view screen! No-strain shooting. Instant playback with color & sound!

- Hi-fi stereo sound
- 4" LCD color screen
- Digital Image Stabzr.

CALL FOR PRICE

VIEWCAM ACCESSORIES

• Car Battery Cord	Call
• Sun Hood	Call
• Wide Lens	Call
• Sports Pack	Call

Canon

AUTHORIZED DEALER

LARGEST INDEPENDENT CANON VIDEO DEALER IN THE NATION!
1990 • 1991 • 1992 • 1993
4 YEARS IN A ROW!

8mm Video Camcorders • Point & Shoot Cameras • SLR Cameras • Lenses • Flashes • Accesories • Still Video Cameras • Still Video Printers, Software/Hardware

8mm CAMCORDERS

E520	Pop-Up Light
E700	12x. Imag Stabil.
UC1	ULTRA-Compact
UC20	10x Zoom
UCS3	Hi-Band
UCS5	Image Stabilizer
A1 Digital	Hi-8, 10x Zm.
L2	RC Time Code
Image Stabilizer Lens	

Canon
Hi-Band 8mm Camcorder

Optical Image Stabilizer 24x Digital Zoom

- Digital signal processing
- Hi-fi stereo sound
- Unique, ultra-compact style

CALL FOR PRICE

L2 Accessories

A. 3X ZOOM LENS
Get great wide angle shots with the CL-3X zoom lens. Use for architectural & group pictures.

B. EXTENDER CL 2X
Doubles the focal length of Canon VL mount lenses without degrading image sharpness.

CANON ACCESSORIES

Multi-Battery Charger/Recharger (MC-100)
Charges and refreshes up to 4 Canon battery packs.

Car Battery Charger (CB-100)
Can be plugged into most car cigarette lighter sockets to charge batteries or power the camera.

Panasonic

AUTHORIZED DEALER

CAMCORDERS

PV-IQ204	New!	Call
PV-IQ304	12x Zoom	Call
PV-IQ404	Color View.	Call
PV-IQ504	New!	Call
PV-IQ604	Light, Colr Vw.	Call
PV-43	10x Zm. E.I.S.	Call
PV-53	Color View.	Call
PV-S63	Super-VHS-C	Call
PV-900	New!	Call
PV-910	Color View.	Call
PV-S770	Super-VHS	Call
AG-455	Super-VHS	Call

VIDEO RECORDERS

PV-2401	All Ch. Auto Set	Call
PV-4401	4 Head	Call
PV-4451	4 Head. Hi-Fi	Call
PV-4461	VCR+ Built-In	Call
PV-S4366	S-VHS, VCR+	Call
PV-S4380	Jog Shuttle	Call
AG-1970	Super VHS	Call

PANASONIC ACCESSORIES

PV-A118	Batt. Charger	Call
PV-C80	Car Batt. Cord	Call
PV-G40	Char. Gener.	Call

The Camera World of Oregon Commitment . . .

. . . Since 1977.

INTEGRITY • LOW PRICES

" I got a great camera at a great price and wish to thank Brooke and your company for your professionalism and quick response time. I won't hesitate to recommend you to family and friends. "

Brooke

K. Burke • Springfield, Virginia • 11/17/93

Call us today and find out why nearly 2 out of 3 orders are repeat customers or referrals!

WEST'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!

RCA

AUTHORIZED DEALER

8mm CAMCORDERS

Pro 808	8x Zoom
Pro 830	10x Zoom
Pro 840	12x Zoom
Pro 883HB	Hi-Band
Pro 930	E.I.S. 16x Zoom+

VHS CAMCORDERS

CC-412	12x Zoom
CC-540	12x Zoom
CC-507	16x Zoom

VIDEO RECORDERS

VR-319	2 Head
VR-501	4 Head
VR-526A	Built-in VCR+
VR-601HF	4 Head Hi-Fi
VR-658HF	Front A/V
VR-662HF	4 Head Hi-Fi
VR-664HF	Built-in VCR++
VR-667HF	Hi-Fi, VCR++
VR-720HF	S-VHS

8mm CAMCORDER ACCESS.

RCA 8mm Hard Case	29.85
RCA 2 hour battery (BB120)	

HITACHI

AUTHORIZED DEALER

8mm CAMCORDERS

VM-E53A		Call
VM-E55A		Call
VM-H57A	Hi-8, E.I.S.	Call
VM-H38A	Hi-Band	Call
VM-H39A	Hi-8, case, lght	Call

VHS CAMCORDERS

VM-1600A	12x Zoom	Call
VM-2600A	24x Dig. Zm.	Call
VM-S8200A	Super-VHS	Call

VIDEO RECORDERS

VT-M171A	Quick Start	Call
VT-M270A	4 Head	Call
VT-M272A	VCR Plus+	Call
VT-F370A	4 Head, Hi-fi	Call
VT-F372A	4 Head, Hi-fi	Call
VT-S772A	S-VHS, 5 Hd.	Call

Nikon

Nikon USA 5-Year Warranty

8mm CAMCORDERS

VN-340	Color Viewfinder Call

Most Orders at Your Door by 3 Business Days Nationwide!

SPECIALTY VIDEO

Multi Laser Disc Player

Panasonic

- LX-600 ..... Auto Reverse
- LX-900 ..... Advancd Dig.
- LX-101 ..... 5-Disc Cmptble.
- LX-K750 ....New! • Karaoke

CALL FOR BEST PRICES!

Still Video Camera

Canon

RC-360	Still Video Cam.	Call
RC-570	Still Video Cam.	Call
RE-650	Visualizer	Call
RP-420	Printer	Call
RP-733	Printer	Call
FP-510	Color Printer	Call
RV-311	Video Player	Call

Photo/Audio CD Player

Kodak

The Photo Album of the 90s!
Browse through your "photo album" on your TV! Fun to watch with friends & family.

- PCD-5850 ..... 3-yr. warr.
- PCD-M50 ..... Portable
- Mailer

Call for Prices & Information

Film to Video Converter

TAMRON
FOTOVIX III-S

Enjoy your photographs on TV! Also record them on video from your slides and negatives.

Photovix II-Xs	New!
Photovix III-S	4-Video
Photovix II-X	Multi-Format
Conversion Lens Kit	
Standard Combo Carrier Set	

Prices good for mail order only. Shipping and handling are extra. Returns and exchanges may be made within 14 days of receipt of merchandise with prior authorization only (Call Customer Service for a Return Authorization Number). Non-defective merchandise returned for refund will be subject to a restocking fee: 5% if box is unopened (still sealed), 12% if box has been opened.

CALL TOLL FREE **1-800-222-1557**

TOP RATED PHOTO & VIDEO MAIL ORDER DEALER

VISA · MasterCard · DISCOVER · Canon CONSUMER ACCOUNT

No Surcharge on Credit Card Purchases!

FULL MANUFACTURER'S USA WARRANTY
ON ALL MAJOR PRODUCTS

Barney - C.S. · Jean - C.S. · Jason - Sales · Rick - Sales · Michelle-Sales · T.J. - Sales · Gil - Sales
Allison - C.S. · Dave - Sales · Brooke - Sales · Jeremy - Sales · Rob - Sales · Freda - Sales · Roger - Sales

C.S. = Customer Service

FEDERAL EXPRESS

DELIVERY IN A FLASH!

Most Orders At Your Door by 3 Business Days Nationwide!

SONY

AUTHORIZED DEALER

Video Camcorders • Video Cassette Recorders • Walkman • Discman • Telephones • Radios • TVs - 8" to Big Screen • Watchman Portable TVs • Mini Hi-Fi Bookshelf Stereo Systems • World Band Radio Receivers • Mini Disc Players • Laser Disc Players • Laser Karaoke • My First Sony (For Kids)

TVs & TV/VCR COMBOs

WE SHIP NATIONWIDE! • CALL FOR LOW PRICES

Space-Saving TV/VCR Combos

HITACHI
20VR2B 20" Monitor

Panasonic
TV/VCR COMBOS

PV-M1321	13" Color	Call
PV-M2021	20" Color	Call
PV-M2042	20", 4-Head	Call
PV-M2071	20", Hi-Fi	Call

Quasar

VV-1213	13" TV/VCR	
VV-1220	20" TV/VCR	

PORTABLE COLOR TVs

CT-10R10	10" Color TV	Call
CT-13R10	13" Color TV	Call

★ Authorized Dealer ★

Canon SONY RCA Panasonic Nikon JVC HITACHI OLYMPUS MINOLTA PENTAX Quasar BRONICA MAGNAVOX SHARP CITIZEN SUNPAK RICOH FUJI YASHICA Leica Mamiya SAMSUNG Sima PIONEER SIGMA QUANTUM Konica Vivitar Metz TDK Tokina CONTAX TAMRON SEKONIC CULLMANN tamrac AZDEN Kodak Kenko Polaroid GOSSEN VIDEONICS TRIPODS GITZO bogen SLIK Velbon

SONY General Audio

WALKMAN

WM-EX10
WM-FX21 · WM-D3 · WM-SXF44
WM-FX22 · WM-D6C · SRF-M33
WM-FX32 · WM-GX90 · SRF-M43
WM-FX38 · SRF-39 · SRF-HM55
WM-FX41 · SRF-H2 · SRF-M70
WM-FX45 · SRF-HM20 · WM-SXF10
WM-F2085 · SRF-M55 · WM-SXF30
WM-FX52 · SRF-88 · WM-SXF33
WM-FX56 · WM-SXF39 · WM-SXF44

DISCMAN

D-113CR
D-121 · D-220 · D-822K
D-122CK · D-223 · D-828K
D-125 · D-321 · D-421SP

DAT WALKMAN

TCD-D7 · WM-DT1

CD BOOMBOXES

CFD-20 · CFD-445 · CFD-768
CFD-30 · CFD-758 · CFD-970

WORLD BAND RADIO

ICF-SW15 · ICF-SW33 · ICF-SW55
ICF-SW800 · ICF-SW7600 · ICF-2010
ICF-SW30 · ICF-SW15 · ICF-SW77

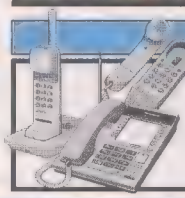
MICRO & MINI AUDIO SYSTEMS

JVC
SONY

Compact Sizes, Yet Deliver Full-Spectrum Dynamic Sound!

MANY MODELS TO CHOOSE FROM • LOW PRICES!

TELEPHONES & TELEPHONE/ANSWERING MACHINES



SONY

FEATURE PHONES

ITD-250	ITD-100
ITD-150	IT-B5
ITD-200	IT-B3

CORDLESS PHONES

SPP-A20	SPP-190	SPP-77
SPP-A40	SPP-180	SPP-75
SPP-A60	SPP-170	SPP-57
SPP-X90	SPP-160	SPP-X50
SPP-D15	SPP-115	SPP-X30
SPP-320	SPP-97	SPP-ER1

ANSWERING PHONES

IT-A3000	IT-A505	IT-A555
IT-A2500	IT-A205	

ANSWERING MACHINES

TAM-50 · TAM-1000

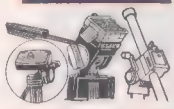
Panasonic

KX-T3705	KX-T3730
KX-T3848	KX-T3980
KX-T4000	KX-T4400
KX-T2250	KX-T2310

VIDEO ACCESSORIES

LIGHTS - MIKES - EDITORS - BAGS - TRIPODS - LENSES - VIDEO PROJECTORS

tripods



GITZO SLIK
bogen Velbon

PHOTO & VIDEO TRIPODS • CALL

CITIZEN

(camcorder not included)

M329 Mark II 12V Car Adapter	M938, T740 AC Adapter TV Tuner

video lights

Auto CV-300	99.85
CZ-200 Auto	Call
CZ-200	59.85
Readylite 10	44.85
Auto Pan Head	Call

bags

tamrac

PHOTO & VIDEO GADGET BAGS
Complete line in stock!

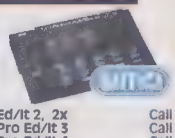
video editors

SONY

XV-T33	Sketch Titler
XV-C700	Color Corrector
XV-C900	Color Corrector
XVD-1000	SFX Generator
RM-E700	Edit Controllr
PHV-A7	Film-to-Video Cnvtr.
HVT-80A	Film-to-Video Cnvtr.
SB-V1	Switcher
SB-V4B	Switcher
SB-V700	Switcher
SB-V900	Matrix Switcher

JVC

JX-T88	Titler
JX-T66	Titler
JX-SV55	Video Editor
JX-S100	A/V Selector
JX-S300	A/V Selector
JX-S700	A/V Selector
JX-S900	A/V Selector
CG-V60	Char. Generator



Ed/It 2, 2x	Call
Pro Ed/It 3	Call
Pro Ed/It 4	Call
Pro Magic SFX-5	Call
Color Writer Magic	Call
Sound Mixer	Call
Sound Mixer (Stereo)	Call

VIDEONICS

2 Year USA Warranty

Thumbs Up Editor	Call
Video Equalizer	Call
Sound Effects Mixer	Call
Title Maker	Call
Digital Mixer (MX-1)	Call

Panasonic

WJ-AVE1	New Titler
WJ-AVE3	Dig. FX Genertr.
WJ-AVE5	Digital A/V Mixer
WJ-TTL5	Char. Generator
WJ-MX30	Call

mikes

AZDEN

WMS-Pro · ECM-111 · ECZ-990
WMX-Pro · WR2-Pro · CAM-3

NADY

151 VR/LT
Wireless lav. mic system. 120 dB dynamic range. Up to 200 feet operating range

video projectors

FUJI

P401U	LCD Video Projector
P701U	LCD Video Projector

STEADICAM JR

STABILIZATION SYSTEM

Allows you to make smooth pans & professional-looking action or sports videos. Call today!

video lens set

Telephoto & Wide Angle
For Sony TR-101 Camcorders
Made in Japan

ST-1001

- 1.5x Telephoto Lens (52mm)
- 0.65x Wide Angle (52mm)
- Protective Case & 2 lens caps
- Instruction Sheet

ON SALE **$64.85**

video lenses

Kenko
Tokina
raynox

Call For Best Prices!

*All returned merchandise must be in new condition and must include all packaging and printed material in original, unaltered condition. Shipping and handling charges are non-refundable. Some items are one per customer. All orders are subject to verification and acceptance. Camera World is not responsible for typographical errors. *Subject to suppliers price changes. ALLOW 2-6 WEEKS FOR BACK ORDERS.*

Circle 35 on Reader Service Card.

VEGAS

continued from page 43

nel signal, and two for parallel connections to the left and right main speakers. Unity says sound mixers usually put all the ambient sound in the main speakers, and that its design brings the ambience into the center speaker for a more natural soundfield. The surround speakers are the size and shape of a hardcover book, with a midrange driver facing to each side and a tweeter along the edge. Controversial ideas, to be sure, but we thought the system sounded great.

If last month's feature on subwoofers ("Audio You Can Feel") has you yearning for big bass, check out the latest subs from Definitive Technology and Hsu Research. All delivered enough punch to shake the sturdiest shelf and annoy the most tolerant neighbor. Definitive showed a 12-inch sub with its new $179 (each) BP-1 bipolar satellite speaker, and wowed all in attendance.

Atlantic Technology also showed a new decoder with center/surround level compensation. Atlantic's Peter Tribeman says few people watch movies at the level movie makers intend, so that when they turn the level down the dialog gets hard to understand and much of the surround effect is lost. But when you switch on Atlantic's level compensation and lower the volume, the left and right channels are cut to a greater degree than the center and surround channels. This is a *great* idea, a real relationship-saver for late-night movie watchers.

The most surprising home theater entry was by AMC, a company best known for its 30-watts-per-channel integrated tube amps. AMC demonstrated a THX-certified surround processor with an integral sound-pressure level meter for calibrating the system. There's a mic jack on the front and a test mic is included. Not a bad deal for $1,000!

DIRECT BROADCAST

Following more than a decade of hype, the direct broadcast satellite is finally here. Represented by the RCA DSS system, it generated considerable interest at CES. Retailers eager for new profit lines crowded the RCA/Thomson booth for demonstrations. This month, the DSS system will begin to bring scores of channels directly into American homes equipped with RCA's 18-inch dish and sleek set-top decoder; DSS is scheduled to become available nationwide this fall.

DBS-1, the first of two-high powered Hughes satellites that make DSS possible, was successfully launched into orbit last December, while the second is due to fly in early summer. The pair of birds will fulfill the promise of 150 channels of programs, which RCA says will be delivered with laserdisc-quality video and CD-quality sound.

Two DSS program suppliers announced plans for a myriad of channels. USSB will offer 14 popular cable channels, including HBO, Showtime, MTV and Nickelodeon in packages costing from $7.95 to $34.95 a month. DirecTv announced the addition of ESPN to its roster of programs, which already includes The Disney Channel, CNN and Court TV.

VCRS AND TVCRS

The most intriguing VCR development wasn't a new deck, but a programming aid by Gemstar. Called Index Plus, it's essentially a no-brainer, onscreen table of contents for home-recorded cassettes. A VCR with Index Plus circuitry would encode any tape used for home recording with an ID number and a permanent index of its contents. Viewers would easily access the index anytime they use the tape, and go directly to any entry by moving an onscreen cursor with the VCR's remote control.

TV stations would encode program names into line 21 of the vertical blanking interval of their TV signals. VCRs with Index Plus would simply read the code. Stations can also use the code to provide programming schedules. Gemstar, creator of VCR Plus, says it expects to see the feature in at least some VCRs by the end of the year.

Among the more interesting VCRs were dual-well 8mm/VHS VCRs from Go-Video and GoldStar. The two Go-Video models, tentatively priced at $999 and $1,299, record and play on both the 8mm and VHS sides, and the deluxe model allows Hi8 playback. Both are due this fall. The GoldStar model, with a five-head VHS deck, only offers playback on the 8mm side.

Another Go-Video deck with two four-head VHS VCRs includes a new audio twist, a Dolby Pro-Logic surround decoder with wireless links to two rear surround speakers, which are included in the $1,500 price. Toshiba showed several VCRs with amplifiers on the head-drums to reduce noise. The feature has been on professional VCRs for years. Now its migrating to consumer decks.

There were more than a smattering of new TVCRs. Entering the TVCR market for the first time are Zenith—with the 19-inch TVR1920 and TVR1940, and the 13-inch SLV1230S—and Aiwa, with the 20-inch VX-S201 and the 13-inch VX-S131. Sanyo is offering the 19-inch TVR-1944 for $450 and the 13-inch TVR-1344 for $400, both with trilingual onscreen displays. TVCR pioneers Panasonic and Emerson showed new models with slightly updated features.

For videophiles with sing-along sides, Panasonic showed a laser karaoke player, the LX-750, with built-in critical capabilities. It uses onscreen displays to show singers how far off pitch they are and how many sour notes they hit. It can automatically adjust a song's key to match a singer's key and, even better, turn itself off after too many missed notes.

CAMCORDERS AND TVs

Surprisingly, few new camcorders were announced, but there were some bright spots. Sharp showed the VL-HL400 Hi8 ViewCam, which updates its pioneering VL-HL100 ViewCam by adding a real zoom rocker and a few operating improvements. Canon's Hi8 L2 camcorder with interchangeable lenses upgrades the sturdy L1 by adding RC timecode, data and index codes, horizontal wipes and a new remote with a shuttle dial.

Toshiba took the widescreen TV

continued on page 103

CABLE TV
DESCRAMBLERS
Best Prices in the U.S.A.!
Guaranteed to Work!
WE WILL BEAT ANY PRICE!

JERROLD PANASONIC
SCIENTIFIC ATLANTA PIONEER
The Newest & the Latest
DMTB-A - all Jerrold Impulse & Starcom series
SA3-DFA - all Scientific Atlantas incl. 8536, 8536+, 8580 Drop-field
PN-3A - all Pioneer systems
ALSO
FTB3, SA3, TZPC145G
FAST SHIPMENTS
30 DAY MONEY BACK GUARANTEE
FREE CATALOG & INFORMATION
1-800-772-6244
M-F 9-6 EST
U.S. Cable TV, Inc. Dept. KVM044
4100 N. Powerline Rd. Bldg. F-4 Pompano Beach FL 33073
NO FLORIDA SALES!
Circle 36 on Reader Service Card.

CAMERA SOUND OF PENNSYLVANIA

U.S. & CANADA CALL TOLL FREE **1-800-477-0022**

Inquiries and Customer Service (215) 889-7358
FAX (215) 647-5830

WORLD'S LARGEST PHOTO & VIDEO CAMCORDER DEALER!

Valley Forge
Best Plaza by The Music Fair
202 to Devon Exit
260 West Swedesford Rd.
Berwyn, PA 19312
215-889-3960
Hours: 10-9, Sun. 12-5

Philadelphia
1104 Chestnut St.
Phila., PA 19107
11th & Chestnut St.
Park Free (10th & Ludlow)
215-627-9580
Hours: 10-7

Oxford Valley
Oxford Point Shopping Center
Rt. 1 & Oxford Valley Road
110 Lincoln Highway
Fairless Hills, PA 19030
215-949-1086
Hours: 10-9, Sun. 12-5

Canon

A-1 Digital
- DIGITAL SIGNAL PROC.
- AUTO TRACKING FOCUS /BACKLIGHTING CONTROL
- TRUE TO LIFE AFM Hi-Fi STEREO SOUND

E250
- 12x POWER ZOOM
- Hi-Fi STEREO
- WIRELESS
- REMOTE CONTROL

UCS1
- 10x AUTO FOCUS
- Hi-BAND 8mm
- FULLY AUTOMATIC

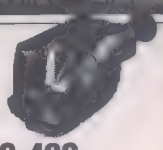
Authorized Dealer

SONY

Camcorders
Laser Disk Players
VCRs
Portable Audio
Hi-Fi

MINOLTA

C-518 (VHS-C)
- LIGHTWEIGHT, ULTRA-COMPACT DESIGN
- 8X POWER ZOOM LENS WITH AUTO MACRO
- 1 LUX LOW-LIGHT RECORDING



8-438 (8mm)
- EASY OPERATION, DIGITAL SIGNAL PROCESSING
- 16X DIGITAL ZOOM
- LOW LIGHT RECORDING

Authorized Dealer

8-918 (Hi-Band 8mm)
- PROFESSIIN HI8 CA CORDER WITH 2-CCD PICKUP FOR TRUEST CO OR REPRODUCTION AND SHARPEST DETAIL

Canon

L1
- 15x POWER ZOOM
- Hi-BAND 8mm
- EOS ADAPTER

Authorized Dealer

RCA

CC177
- 8:1 Power Zoom
- Flying Erase Head
- 1 Lux Minimum Illumination
- Full Range Autofocus System
- 16x9 Recording
- Automatic Head Cleaner
- Video/Audio Fade Control

Panasonic

PV-IQ 203 10X Power Zoom	Call
PV-IQ 303 With Light	Call
PV-IQ 403 Color Viewfinder	Call
PV-IQ 503 Color Viewfinder	Call
PV-800 12x Power Zoom	Call
PV-810 w/Case & Light	Call
PV-760	Call
PV-S770 S-VHS	Call

VIDEO RECORDERS

SHARP

Best Quality TV SelectioCall

SONY
JVC
PIONEER

RCA

CC517
- 20:1 Zoom Plus™
- Digital Zoom to 80:1
- Flying Erase Head
- 2 Lux Minimum Illumination
- Quick-Response Infrared Autofocus
- Digital Signal Processing

RICOH

R-18H
- RICOH OPTICS
- 10 X 1 ZOOM
- Hi-Fi STEREO
- PROGRAM AE
- WIRELESS REMOTE
- DIGITAL SUPERIMPOSER

TOO LOW TO ADVERTISE

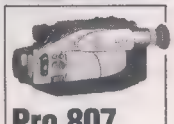
RCA

CC180
- 8:1 Power Zoom Lens
- Auto Focus System
- 3 Lux Low Light Sensitivity
- Variable High-Speed Shutter
- Age Insert
- Flying Erase Head

JVC

GR-AW1
- Water Resistant Body
- 3-Lux Low-Light Sensitivity
- Full Range AF with Auto Macro
- Digital Superimpose with 8 Colors
- 6x Power Zoom Lens

RCA



Pro 807
- 8:1 Power Zoom Lens
- Flying Erase Head
- Full-Function Wireless Remote Control
- 1 Lux Minimum Illumination 1
- Full-Range AutoFocus System
- Program AE (Auto Exposure)

MINOLTA

8-848
- High-band 8mm image quality with Hi-Fi stereo sound.
- Electronic Image Stabilization.
- 8x-64x Tri Zoom an ultra-slim and lightweight body.
- Digital autofocusing, AI fuzzy logic control, digital filter & fade.

RCA

VR 667HF
- VCR Plus+1 Programming System with Cable Box Channel Control
- 4-Head Video System
- VHS Hi-Fi Stereo Recording /Playback
- Automatic Head Cleaning System
- Front Audio/Video Input Jacks

Canon

UCS2
- Canon 8x zoom lens for high resolution images
- Hi8 format for superior picture quality
- Connects to any TV or VCR for immediate playback
- Full-range precision Autofocus
- 3-mode Programmed Auto Exposure

RCA

Pro 870
- 16:1 Zoom Plus™
- Digital Zoom 64:1
- Flying Erase Head
- Full Function Wireless Remote
- 1 Lux Minimum Illumination
- Quick-Response Infrared AutoFocus

RCA

CC187
- 8:1 Power Zoom
- Flying Erase Head
- 3 Lux Minimum Illumination
- Full-Function Wireless VCR/Camcorder
- Full-Range AutoFocus System
- 16x9 Recording

SONY

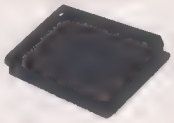
EDITORS

XV-T33	Sketch Titler
XV-C900	Color Corrector
RM-E700	Edit Controller
HVT-80A	Film-to-Video Converter
SB-V700	Switcher
SB-V900	Matrix Switcher

Call for Prices

VIDEONICS

EDITORS



Video Edit Maker	Call
Thumbs Up Editor	Call
Video Equalizer	Call
Title Maker	Call
Sound Effects Mixer	Call

Call for Prices

JVC

EDITORS

JX-T88	Video Titler	Call
JX-SV55	Video Editor	Call
JX-S300	A/V Selecter	Call
JX-S900	A/V Selecter	Call
CG-V60	Char. Generator	Call

Call for Prices

SONY / JVC

MX-S2	Call
MX-S4	Call
MX-C5	Call
MX-C9S	Call

MHC-510	AM/FM, Cass, CD	Call
MHC-610	AM/FM, Cass, CD	Call
MHC-1750	5 CD Chamger	Call
MHC-2750	5CD Changer	Call
MHC-3750	5CD Changer	Call

bogen

PHOTO & VIDEO

3000 w/3-D Head	CALL
3003 w/3029 Head	CALL
3010 w/3-D Head	CALL
3020 w/3-D Head	CALL
3023w/3021+3047hd.	CALL
3124 w/3011+mic. hd.	CALL
3150 w/3051+mini hd.	CALL
3170 w/7001+mic. hd.	CALL
3214 w/3211+3047 hd.	CALL

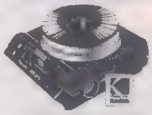
tamrac

TeleZoom Pak 19.85

COMPLETE TAMRAC LINE IN STOCK
CALL FOR PRICE

AZDEN

Kodak



SLIDE PROJECTORS

4200	177.85
4400	CALL
4600	CALL
5600	CALL
102mm f2.8	CALL
102-150mm Zoom	CALL

SUNPAK

SUNPAK USA WARRANTY

433AF	CALL
544, 555	CALL
622 Super	CALL
Zoom Head	39.85
DX-12R Ring Light	CALL
120J Autopro	CALL
Auto Pan Head	CALL

RETURNS OR EXCHANGES MAY BE MADE WITHIN 14 DAYS. RETURNS MAY BE SUBJECT TO A 10% RESTOCKING FEE. SHIPPING AND HANDLING CHARGES ARE NON- REFUNDABLE. WE ARE NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS. PRICES GOOD FOR MAIL ORDER. ONLY ALLOW [illegible] WEEKS FOR BACK ORDERS.

Authorized Dealers of: SONY MINOLTA JVC Canon RICOH OLYMPUS Quasar RCA PIONEER

Circle 37 on Reader Service Card

SALE!

CABLE TV DESCRAMBLERS

WE'LL BEAT ANY PRICE!

CALL TOLL-FREE

1-800-284-8432

• JERROLD • TOCOM • ZENITH •
• OAK • PIONEER • HAMLIN •
• SCIENTIFIC ATLANTA •

24 HOUR SHIPMENTS!
QUANTITY DISCOUNTS!
30 DAY MONEY BACK GUARANTEE!
FREE CATALOG & INFORMATION

MasterCard · AMERICAN EXPRESS · VISA

Mastercard • American Express • Visa • C.O.D.

HAVE MAKE AND MODEL NUMBER OF EQUIPMENT USED IN YOUR AREA

1-800-284-8432

FOR ORDERS ONLY

For technical & customer service: 305-749-3122

ALL SHIPPING & HANDLING FEES AT CUSTOMER'S EXPENSE
Anyone implying theft of service will be denied assistance.

CABLE WAREHOUSE

10117 WEST OAKLAND PARK BLVD., SUITE 315, SUNRISE, FL 33351

NO FLORIDA SALES

Circle 38 on Reader Service Card.

MAIL-ORDER GUIDELINES

Note: These regulations do not pertain to orders placed over the telephone and charged to a credit card.

SUGGESTIONS FOR MAIL-ORDER PURCHASERS

1. Read the ad carefully.

2. Whether you place your order by mail or by telephone, confirm the exact price (including any rebates) and any additional costs such as warranties, shipping, handling and insurance before you place your order.

3. Check with the advertiser regarding any warranties offered or available for purchase.

4. Check whether the advertiser has a return policy **and a restocking charge.**

5. Keep a record of your order and all other transactions and get the names of all persons with whom you speak.

6. Never send cash. Pay by check or money order or with a credit card so you will have a record of your transaction. If you pay by credit card, you may have a greater measure of recourse in the event the advertiser does not perform. (Check the complaint procedures of your credit card companies.)

7. If you receive damaged or improper merchandise, contact the advertiser as soon as possible.

8. Get a receipt from the shipper whenever you return merchandise.

9. Since VIDEO Magazine will not continue to accept advertising from businesses that have engaged in a regular pattern of unfair or improper dealing with our readers, try to determine which have been long-standing advertisers

WHAT TO DO IF YOU HAVE A PROBLEM

1. Allow 30 days for receipt of order or delay notification.

2. Contact the advertiser in writing, stating the merchandise ordered, the price and date of order, and the nature of your complaint. Include proof of payment (copy of cancelled check, showing both sides, credit card statement, etc.). Keep a copy for your records.

3. Allow two weeks for a response from the advertiser.

4. If your complaint is still not resolved, contact us *in writing* (no phone calls, please), enclosing copies of all correspondence and proof of payment along with an explanation of what has transpired.

Mail to:
VIDEO Magazine
Advertiser Complaint Dept.
460 West 34th Street
New York, NY 10001

Other organizations that can assist you if you have a problem.

The Direct Mail Marketing Association
Mail Order Action Line
6 East 43rd Street
New York, NY 10017

Your local postmaster
(Ask for the name and address of the appropriate "Inspector-in-Charge.")

Your state or local consumer protection office or the office closest to the advertiser.

The Better Business Bureau.

Your state Attorney General's office.

WE WELCOME CALLS!

SONY
JVC
Panasonic
PHILIPS
RCA
VIDEONICS
Scotch

AUTHORIZED DEALER

ALL MERCHANDISE FACTORY SEALED

CODE V165

PLANET ELECTRONICS

WE SHIP C.O.D.

NOBODY BEATS US!

IF YOU FIND A BETTER DEAL... WE'LL BETTER OUR DEAL!

8418 Lilley
Canton, Michigan 48187
800-247-4663
in Michigan, call:

PLANET'S PHILOSOPHY

Our goal is to provide the best prices on the equipment we offer. We value repeat

800-247-4663

ALL ORDERS SHIPPED WITHIN 24 HOURS

FOR YOUR FREE Planet Electronics Catalog, Complete and Return Today!

PLACE STAMP HERE

Planet Electronics

8418 LILLEY ROAD
CANTON MICHIGAN 48187

IF YOU FIND A BETTER DEAL • WE'LL BETTER OUR DEAL!

SALE!

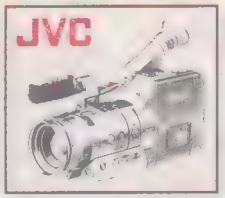
MAIL-ORDER GUIDELINES

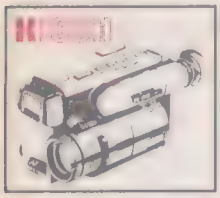
Note: These regulations do not pertain to orders placed over the telephone and charged to a credit card.

SUGGESTIONS FOR MAIL-ORDER PURCHASERS

1. Read the ad carefully.

2. Whether you place your order by mail or by telephone, confirm the exact price (including any rebates) and any additional costs such as warranties, shipping, handling and insurance before you place your order.





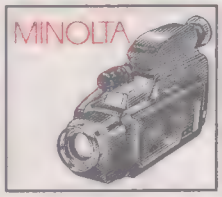
HONESTY AND THE BEST DEALS

Planet Electronics

NOBODY BEATS US

1-800-542-8811

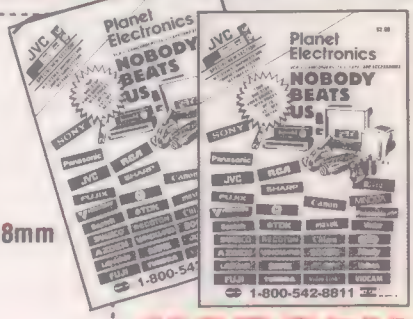
YOUR ONE-STOP VIDEO SOURCE FOR VCR's, CAMCORDERS, TV's, TAPE, AND ACCESSORIES



VIDEO TAPE
TDK.
maxell.
Scotch
JVC
FUJI

FREE CATALOG!

Take advantage of the best video buys in the country!



Which video formats do you currently own? ☐ VHS ☐ S-VHS ☐ 8mm ☐ Hi-8mm ☐ Beta ☐ Laser Disc

Do you record and edit your own video movies? ☐ Yes ☐ No

What products do you plan to buy in the next 12 months?

☐ VCR ☐ Camcorder ☐ TV ☐ Video Tape ☐ A/V Component
☐ Video Editor/Generator ☐ Tripod, Lights, Lenses, Bags

Name _____

Address _____

City _____ State _____ Zip _____

Telephone Number ( ) _____

CODE VIM3

NOBODY BEATS US

- Video Recorders
- Camcorders
- Televisions
- Video Tape
- Video Accessories
- Hi-Fi Audio/Video Components and More

WE WELCOME CALLS!

SONY
JVC
Panasonic
PHILIPS
RCA
VIDEONICS
Scotch
TDK
BOSE
maxell
Nady
Canon
sima
FUJIX
BOGEN
Citizen
Panasonic
RECOTON
AIWA
AMBICO
AUDIO SOURCE
SHARP
EVERQUEST
Vivitar
CRAIG
AZDEN
VIRTUAL VISION
VANGUARD
CASIO
SUNPAK
MONSTER CABLE
LENMAR
DISCWASHER
VIDCAM
ADVENT
TUNDRA
GO - VIDEO
FUJI

AUTHORIZED DEALER — ALL MERCHANDISE FACTORY SEALED

VISA DISCOVER MasterCard

CODE V165

PLANET ELECTRONICS

WE SHIP C.O.D.

NOBODY BEATS US!

IF YOU FIND A BETTER DEAL... WE'LL BETTER OUR DEAL!

8418 Lilley
Canton, Michigan 48187
800-247-4663
in Michigan, call:
313-453-4750

800-247-4663

ALL ORDERS SHIPPED WITHIN 24 HOURS
OVER-NIGHT AVAILABLE

PLANET'S PHILOSOPHY

Our goal is to provide the best prices on the equipment we offer. We value repeat business and referrals. Therefore, service must be provided before and after the sale.

All merchandise is authorized and factory-sealed. No credit card fees. No excessive shipping charges. No "Bait and Switch".

As a PLANET customer your satisfaction is our success. If you have any questions or problems, please call customer services.

THANK YOU!
800-247-4663

MACRO BUSTER $49
Removes copy protectors
100%GUARANTEED

BOSE AUTHORIZED DEALER
ADVENT AUTHORIZED DEALER
SPEAKERS
PLEASE CALL!

VIRTUAL VISION
Great for camcorders • watching TV • much more

SONY AUTHORIZED DEALER
VCR'S • TV'S
CAMCORDERS
AUDIO-VIDEO PRINTERS

RCA AUTHORIZED DEALER
VCR'S • CAMCORDERS • TV's

Panasonic AUTHORIZED DEALER
VCR'S • CAMCORDERS
TV'S • VIDEO PROJECTORS
EDITOR • VIDEO PRINTERS

Panasonic PRO LINE AUTHORIZED DEALER

CAMCORDERS		VCR'S	TVs
AG455	AG195	AG1240	CT2083VY
AG460	AG3	AG1740	CT1383VY
PROJECTORS		AG1970	EDITORS
PT10L		AGW1	WJMX30

JVC AUTHORIZED DEALER
AUDIO/VIDEO RECEIVERS
CASSETTE DECKS • VCR'S • TV'S
CAMCORDERS • CD'S

PHILIPS AUTHORIZED DEALER
HI-FI
AUDIO/VIDEO RECEIVERS
MULTI CD PLAYERS • CD-I • DCC

Canon AUTHORIZED DEALER
CAMCORDERS
WE STOCK 'EM ALL.

SHARP AUTHORIZED DEALER
CAMCORDERS
PLEASE CALL!

AIWA AUTHORIZED DEALER
MINI AUDIO SYSTEM
PAL/SECAM VCR's

Citizen
LCD 3" COLOR MONITOR M329
LCD 4" COLOR MONITOR M938

FUJIX AUTHORIZED DEALER

CAMCORDERS	VIDEO PROJECTORS
FUJF120SW	P701
FI128W	P404
FI128SW	

VIDEONICS
TITLEMAKER • EDITMAKER
SPECIAL EFFECTS MIXER • COLOR EQUALIZER • THUMBS UP

AZDEN – VIDEO MIC'S
IMPROVE CAMCORDER PERFORMANCE
LENS • REWINDERS • MIXERS
Please Call

BOGEN TRIPODS
3124 - Dolly
3016 - Monopod
3116 - Mini
3140 - Pro
3144 - Shoulder Mount
3179 - Tri-pod
3170 - Tri-pod
3160 - Tri-pod
Please Call!

sima VIDEO EDITORS
TITLERS • LIGHTS • MIXERS
BATTERY REFRESHERS
Please Call

Nady
PRO VIDEO MIC'S • HEADPHONES
Call for Details

WE WELCOME CALLS

FREE CATALOG

64 PAGES FILLED WITH PRICING & SPECS ON CAMCORDERS, TV s, VCR s AND ALL AUDIO/VIDEO PRODUCTS.

PLEASE CALL
800-247-4663

WHATEVER YOU NEED IN VIDEO ...
WE STOCK IT!
JUST CALL!
YOUR SATISFACTION IS OUR SUCCESS!

VIDEO/ AUDIO TAPES
maxell
SONY
TDK • JVC
Scotch • FUJI
All sizes & formats.

CAMCORDER ACCESSORIES
Lights • Lenses • Tripods • Editing Rewinders

Not responsible for type errors

Circle 39 on Reader Service Card

KENWOOD JVC Panasonic MITSUBISHI TOSHIBA Canon HITACHI

GUARANTEED UNBEATABLE PRICES!

NORTH AMERICA'S LARGEST AUTHORIZED DEALER FOR
MITSUBISHI
Panasonic TOSHIBA
Canon JVC DENON
sima KENWOOD
VIDEONICS AZDEN
bogen SONY
RICOH JBL RCA
HITACHI Nikon

POWERVIDEO

1-800-877-2900

CUSTOMER SERVICE: 713-952-4400 | FAX: 713-952-8877

FEDERAL EXPRESS

- All Public Schools and State University POs Welcome
- #1 in Customer Satisfaction • #1 On Time Delivery

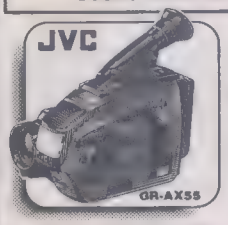
4413 Bluebonnet Dr., Stafford, Texas 77477

10 Years in Business. Texas Owned & Operated

- 2 FREE VHS TAPES if we can't ship on time
- All merchandise carries manufacturers U.S.A. warranty
- All products are factory sealed, No demos or refurbished goods
- 10 day defective exchange
- No extra charge to use your bank card
- All quoted prices are for mail order purchases only

MasterCard VISA American Express DISCOVER

ASK ABOUT OUR 2/3/5 YEAR, EXTENDED SERVICE CONTRACT WITH MAINTENANCE


JVC GR-AX55

Nikon VN-750

HITACHI VM-H39

RCA PRO 883HB

Canon NEW! JUST ARRIVED! L-2

HITACHI VM-E55

Panasonic PV-IQ203

JVC GR-SZ1

SONY VHS Hi8 SVHS
NORTH AMERICA'S LARGEST DISTRIBUTOR OF AUDIO/VIDEO TAPES

Panasonic PV-800

RICOH R-18H

Canon BUILT-IN SHOCK ABSORBER E-700

JVC CAMCORDERS
GR-AX25 GR-SZ1
GR-AX35 GR-SX90
GR-AX55 GR-M7U

RCA CAMCORDERS
PRO 808 PRO 930
PRO 870 CC-540
PRO 883HB CC-512

Nikon CAMCORDERS
VN-750 VN-320
VN-330 VN-500

RICOH CAMCORDERS
R-18H R-87H
R-61 R-88H
R-105

Canon CAMCORDERS
L-1 E-520
A-1D UC-S3
E-350 E-250

Panasonic CAMCORDERS
PV-332 PV-IQ203
PV-S770 PV-S372
PV-800 AG-455

MITSUBISHI
DIGITAL PIP from 27" to 40"
1ST TIME EVER 40" PICTURE TUBE CS-40FX1

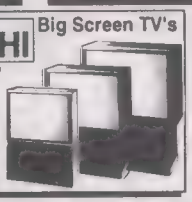
CS-26301	CS-27403	CS-35401
CS-27301	CS-31301	CS-35601
CS-27401	CS-35301	CS-35X7

RCA TV's

We carry a complete line of RCA TV's from 27 to 35"

MITSUBISHI Big Screen TV's
DIGITAL PIP SLIM LINE 45" to 70"
THE MOST POPULAR "VX" SERIES VS-50VX3 & VS-60VX3

VS-4571	VS-6061
VS-5061/62	VS-6071
VS-5071/72	VS-7071



Quasar

27" SX2751HE
SX2754HK
31" SX3151HE
SX3164HK
700 Lines resolution
Picture in Picture
INVAR Shadow Mask
Dyna Dome Stereo

TOSHIBA
ALL NEW 1993 MODEL 27", 30", 32", 35", 55"

CF-27C50	CX-32C80/81	TP-48C70/71
CF-30C50	CX-35C80/81	TP-55C80/81

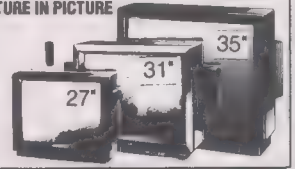
CZ-3299 IDTV In Stock

NEW 48" & 55" NOW AVAILABLE!!

DIGITAL PIC IN PIC from 27" to 55"
3 Dimensional Sound, Built in Woofer
S-VHS Input, Variable Audio Output,
700 Lines Res., DBX Noise Reduction,
Ext. Speaker Terminals, 3A/V In/Out,
Dual RF Inputs, Univ. Remote Control

JVC SVHS
ALL NEW HYPERBASS SURROUND SOUND
DIGITAL PICTURE IN PICTURE
ALL New 27", 31", 32", 35"
NEW 16:9 FORMAT NV-558X4 IN STOCK NOW

AV-31BM4	AV-35BX3
AV-31BX4	AV-35BP4
AV-32BX3	AV-35BH4

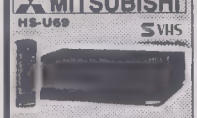


HITACHI Ultravision
TOP RATED!
60" 60SX3B
50" 50UX14B
50" 50UX15K
50" 50SX5P
46" 46UX12B
46" 46UX13K
1000 Lines Resolution, Dolby/Hall/Pro Logic HDTV Lense System

Front Screen Projectors

We carry a wide variety of front screen video projectors with images up to 150"

MITSUBISHI HS-U69 SVHS



SUPER VHS HI-FI STEREO
Twin Flying Erase Heads, Pre-roll, Index Search, 250x speed Rewind Shuttle.

ALSO AVAILABLE

HS-U82	HS-U59	HS-U48
HS-U69	HS-U58	HS-U38

LaserInteractive

We stock all types of CD-Interactive products, which allows you to play CD-ROM video games and educational games

Panasonic SVHS PV-S4380

SUPER VHS EDIT RECORDER
Jog/Shuttle Control, Fly, Erase Head, Synchro-Edit LCD Prog.

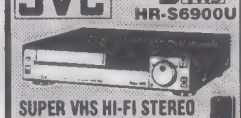
TOSHIBA VHS VCRS

SV-F990	M-459
M-759	M-449
M-659	M-249

Panasonic VHS VCRS

PV-4301	PV-4362
PV-4351	PV-S4366
PV-4361	PV-S4380

JVC SVHS HR-S6900U



SUPER VHS HI-FI STEREO
Jog Shuttle for Fine Editing, Flying Erase Head, Built in Sound Processor, On Screen Programming, Audio/Video in

ALSO AVAILABLE

HR-S4900U	HR-VP700
HR-S6900U	HR-VP604
HR-J600	HR-VP606

COMPLETE SOURCE FOR HI-FI AUDIO INCLUDING HOME THEATRE
THX DOLBY SURROUND PRO·LOGIC

From High End Audio/Video Receivers to Boomboxes, Subwoofers, Speakers, DCC, DAT, MiniDiscs, We've Got It All!

VIDEO ACCESSORIES

We carry a complete line of tripods, lights, filters, lenses, edit processors, batteries and tapes for all your video needs

Panasonic PV-VP1

COLOR VIDEO PRINTER
Color Photographs from any Video Source at the touch of a button!

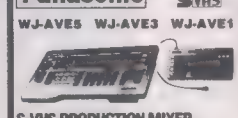
Panasonic CD VIDEO
LX-900 LX-600 LX-101

Auto Rev., Plays all 5 Disc Sizes, Time Base Correct., S-VHS Video Output, D/Audio

Speaker Selection

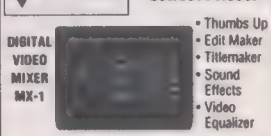
We carry all types of front, center channel and rear speakers and many different types of subwoofers!

Panasonic SVHS
WJ-AVE5 WJ-AVE3 WJ-AVE1



S-VHS PRODUCTION MIXER
Digital Special Effects, 99 Different Wipes, Fades, Dissolves, Superimpose.

VIDEONICS Lowest Prices!



DIGITAL VIDEO MIXER MX-1
- Thumbs Up
- Edit Maker
- Titlemaker
- Sound Effects
- Video Equalizer

TU-1 EM-1 SE-1 VE-1

RICOH sima Nikon OLYMPUS HITACHI Canon MITSUBISHI

Circle 40 on Reader Service Card

VIDEO CLASSIFIEDS

To place an advertisement in VIDEO Magazine's Classifieds:

REQUIREMENTS:
Payment must accompany advertisement. We accept checks, money orders and Mastercard/Visa. NOTE: ADVERTISERS USING A P.O. BOX NUMBER MUST INCLUDE PERMANENT STREET ADDRESS, TELEPHONE NUMBER AND CONTACT PERSON'S NAME FOR VIDEO MAGAZINE'S RECORDS. ADVERTISEMENTS RECEIVED WITHOUT THIS INFORMATION WILL NOT BE ACCEPTED.

All advertisements are subject to Publisher's approval. VIDEO Magazine is not responsible for typographical errors. No "regular" advertisements will be allowed for the exchange, rental, trade, or sale of videotapes due to the potential problem of copyright infringement. No advertisement will be accepted which offer for sale products or services that have been illegal because they infringe on copyright protection or other forms of property ownership.

Advertisers must guarantee publisher that none of the materials and/or services sold through the advertisement violates any federal laws. Any violators will be barred from future advertising in the magazine.

WORD ADVERTISEMENT:
Per Word: $6.00 (15 word minimum)
All words regardless of length, abbreviation, symbol or numeral will be counted as one word. P.O. Box numbers/Street address are counted as two words; City/State/Zip Code are counted as two words.

DISPLAY ADVERTISEMENT:
Per Inch:

1X	6X	12X
$535	$514	$462

Camera ready art required and pre-payment.

Please mail all advertising copy to:
VIDEO MAGAZINE CLASSIFIEDS
460 West 34th Street
New York, NY 10001
(212) 947-6500. FAX (212) 947-6727

ISSUE	RESERVE	MAT.
March 1994	12/30/93	1/6/94
April 1994	1/27/94	2/3/94
May 1994	3/3/94	3/10/94
June 1994	3/31/94	4/7/94

VISA MasterCard

ACCESSORIES

CAMCORDER BATTERY PACK LASTS TWENTY HOURS. SEND $2.50 (APPLIED TOWARDS PURCHASE) FOR INFOPAK TO: KD ELECTRONICS 4771 SANTIAGO DRIVE, LA PALMA, CA. 90623-1446

NEW! VIDEO CAMCORDER DUST COVERS. Durable. Gray. Compact, Midsize or Large. Send Size and $10.95 + $1.50 S&H to Wittco Enterprizes, POB 26184, Colorado Springs, CO 80936

MOLDED PLASTIC VHS VIDEO CASSETTE SLEEVES FREE SAMPLE (INCLUDE $.50 FOR POSTAGE) LEWIS ENTERPRISES, P.O. BOX 40 REDAN, GEORGIA 30074

YOU WON'T BELIEVE YOUR EYES! Simple, patented, non-electronic attachment on TV screen creates astonishing illusion of depth, adding realism and pleasure. FREE INFORMATION: DEPTH ENHANCEMENT 14389 Island Lake Rd, Chelsea MI 48118

SINGERS! REMOVE VOCALS!
Unlimited Backgrounds™
From Standard Records & CD's with the Thompson Vocal Eliminator™. Call for Free Catalog & Demo Record.
Phone (404)482-4189 Ext. 10
Singer's Supply, Dept. VI
7984 Hightower Trail
Lithonia, GA 30058
24 Hour Demo/Info Request Line (404)482-2485 Ext 40
Singer's Supply - We Have Anything & Everything For Singers

AMATEUR

GIRLY SPORTS & SUNSHINE VIDEOS! Introducing: Nudeaerobics- 1 Hour $29 100 + titles Colorpak $6. VIDEOSTAR-V Box 5160, Santa Monica, CA 90409

RAISED SKIRT VIDEOS! FREE Catalog! Sexy amateurs! 2 hr. video, over 80 models $19.95 plus $3.50 S&H. Procorv, PO Box 649, Bowie, MD 20718-0649 or toll free 1-800-215-3846. Must be 21.

CUTIES AT THE BEACH. Stunning 2-hr video essays of Youth in Motion under the sun. VHS and S-VHS. VHS Beach 1 $29. $3 Catalog. JD Video, 4001 S. Decatur, #410-VID, Las Vegas, NV 89103.

CANDID EUROPEAN NUDIST videos. 19 NEW releases. Contests, skinnydipping. Catalog $3. NatFam(VV), Box 838, Venice, CA 90294.

ADULT COMPUTER MOVIE DISKS $7.00 EACH 5 FOR $27.00 STATE AGE AND DISK SIZE ADD $3.00 SHIPPING CREATEK, P.O. BOX 299, WALNUTPORT, PA 18088-0299

FRENCH DANCING GIRLS, Gymnastic Competitions, Beauty Contests. Video $50.00. Brazil Video, P.O. Box 8572, La Jolla, CA 92038

AMATEUR VIDEOS! THERE IS A GOOD SELECTION TO CHOSE FROM. AND THERE SHOULD BE SOMETHING FOR EVERYONE. TO RECEIVE A LIST PLEASE CALL 1-800-827-8240 EXT 2035 MC & VISA REFUNDABLE. EACH CALL IS $3.00 MIN. MUST BE 18 + WCE HOME VIDEO

CALIFORNIA COLLEGE GIRLS Strip-Tease, shower, play & pose totally nude in a wild, wet & erotic 90 minute video. Send $35 to TRANSAMERICA PICTURES, 309 Judah St., Suite 214, San Francisco, CA 94122 **1-415-566-1212 VISA/MASTERCARD**

BLANK TAPES

BLANK COMMERCIAL GRADE TAPE T-5 TO T-15 $1.00 EA. T-20 TO T-30 $1.35 EA. FOR LONGER LENGTH CALL (610) 434-4653 OR WRITE TO VHS TAPE WAREHOUSE 1013 SO. FOUNTAIN ST., ALLENTOWN, PA 18103. WE SHIP UPS, COD

TAPE WORLD 1-800-245-6000 Only 4.95 Shipping!
We'll beat any total price! FREE CATALOG Fax 412/263-8298

SONY		MAXELL		TDK		FUJI	
DAT-120	7.49	XL11-90	1.89	T-120HS	1.89	MINI-DISC74	11.49
DAT-120 PRO	9.99	XL11-S90	2.29	T-120EHG	2.49	SVHST120	7.89
T-120	1.99	XL11-S100	2.69	SA-90	1.79	DRI-90	.79
T-120V	2.39	DAT-120	7.99	SAX-90	2.19	JVC	
L-750HG	3.99	T120HGX	2.99	HI-8-120	5.99	DAT-120	6.99
MINI-DISC 74	11.99	8MM-120	3.49	DAT-180	11.99	SVHST120	6.99

M-F 8-5 VISA, MC, DISC 220 SPRING ST. BUTLER, PA 16003
OVER 400 DIFFERENT BLANKS SAME DAY SHIPPING

BOOKS & PUBLICATIONS

Exciting Stories of Nymphs and Vixens at Play Catalog $2 PZM P.O. Box 358 Summertown, TN 38483

The Beauty of Youth tastefully explored in photography and art. Books featuring work by Ovenden, Mann, Hamilton, Sturges, Ionesco, Saudek, Henson, a.o. $2 Catalog. Ophelia Editions, P.O. Box 2377, New York, NY 10185.

OFFBEAT VIDEO SOURCEBOOK Describes 1,200+ Sources for 100,000+ Videos. $19.95, 1972 N.E. Third Street, #252E, Bend Oregon 97701

NUDISM LIFESTYLE: family recreation. New releases. Videos, magazines. Infopak $3. Lifestyles-V. Box 661268, Los Angeles, CA 90066

BUSINESS OPPORTUNITIES

HAVE A VIDEO CAMERA? MAKE A BUNDLE AS A LEGAL VIDEO SPECIALIST. FREE INFO: 312V BUENA VISTA, SANTA CRUZ, CA 95062

BE YOUR OWN BOSS! TO RECEIVE INFORMATION FOR GETTING INTO THE VIDEO INVENTORY BUSINESS. PLEASE CALL 1-900-773-7377 EXT 2031 OR 1-800-287-8240 EXT 2032 MC & VISA EACH CALL $3.00 FIRST MINUTE $2.00 ADDITIONAL MINUTES. MUST BE 18+ TO CALL, WINNINGHAM CARTER ENTERPRISES.

CABLE

PREVENT DESCRAMBLER DAMAGE - DON'T BITE THE BULLET!!!! Snooper Stopper Data Pulse Blocker $34.95 - Data Blocker with Dual Surge Protection $54.95 - Remote Control A/B Switch $39.95 - Video Connections, Inc. 1-305-741-7284.

CABLE DESCRAMBLERS, test turn-on kits, bullet stoppers. We have the lowest prices in the industry. Because we have no catalog, and no 800 number! Call everyone else, then call us for the best price. We pay cash for cable equipment. No Florida sales. 305-425-0751.

REVOLUTIONARY NEW PRODUCT. Universal Box. Works on all Jerrolds and Pioneer Systems. Mega Electronics 1-800-676-6342

CABLE T.V. CONVERTERS JERROLDS ®, ZENNITH, PIONEER, OAK, Scientific Atlanta, and many more. 12 years experience gives us the **ADVANTAGE** VISA/MC AMEX COD. ADVANTAGE ELECTRONICS, INC. **1-800-952-3916** 1125 Riverwood Dr., Burnsville, MN 55337.

SECRET CABLE DESCRAMBLERS! Build your own Descrambler for LESS than $12.00 in SEVEN EASY STEPS! RADIO SHACK Parts List and FREE Descrambling Methods that COST NOTHING To Try, Included. Send $10.00 to: Information Factory, Dept. 7, P.O. Box 669, Seabrook, Texas 77586. For C.O.D'S 1-713-922-3512 Any Time!

Cable TV Converters/Decoders Jerrold, Scientific, Atlanta, Zenith, Pioneer, Oak ... **EXCELLENT PRICES/PERSONABLE SERVICE. CALL INNOVATIVE ELECTRONICS, INC. 612-888-8050**

DIGITAL VIDEO STABILIZER Removes all video tape copy protection, caused by copy guard, on pre-recorded tapes $54.95 - Video Connections, Inc. 1-305-741-7284.

CABLE TV CONVERTERS, Jerrold, Oak, Scientific Atlanta, Zenith and many others. New MTS stereo addon: Mute and volume ideal for 400 and 450 owners! VISA/MC/AmEx **1-800-826-7623. B&B INC. 3584 Kennebec, Eagan, MN 55122.**

TV cable/satellite ("gray" market) descrambler expose, 160pp., illustrated, with vendor lists for chips, parts. Law, countermeasures, much more! $23.75 + $3 s/h. Check/MO to Index, 3368 Governor Dr. Ste 273-B, San Diego CA 92122. Credit cards only 800-546-6707. Free catalog of "insider" books on scanners, cellular, credit, eavesdropping, much more.

CABLE T.V. CONVERTERS, DESCRAMBLERS. Scientific Atlanta, Zenith, Jerrold, Pioneer, Oak. Replacements for most models. Quality, Price and Service. Visa M/C. Dealer inquiries invited. EAGLE Electronics Inc., **1-800-259-1187, Number One, 1301 Railhead Blvd., Naples, FL 33963**

MULTI-VISION ELECTRONICS

CABLE TV
Converters & Descramblers

** Tocom * Oak*
** Jerrold * SA*
** Zenith * More*

Why tolerate unbearable, monthly cable fees when you can buy for less at Multi-Vision?

800-835-2330

VISA **CABLE TV DESCRAMBLER SALE** MasterCard
LOWEST PRICES
Money Back Guarantee CNC Concepts Inc
9-6 CST P.O. Box 49503-VM
MON-FRI MPLS MN 55449
Please have MODEL used in your area when calling
DEALERS WANTED EARN EXTRA $$$ 1-800-535-1843

! CABLE T.V. EQUIPMENT !

All makes and models! Low Prices. Quantity discounts. **FREE CATALOG.** C.O.D orders accepted. No Illinois orders.

L&L ELECTRONICS INC.
1430 Miner Street, Suite 522
Des Plaines, IL 60016
We Accept MasterCard and Visa
1-800-542-8190

YEARS OF CUSTOMER SATISFACTION!

FREE CATALOG! 1-800-648-7938
JERROLD HAMLIN OAK ETC
CABLE TV DESCRAMBLERS

• Special Dealer Prices! • Compare our Low Retail Prices! • Guaranteed Prices & Warranties!
• Orders Shipped Immediately! VISA/MC/AmEx

REPUBLIC CABLE PRODUCTS, INC.
4080 Paradise Rd #15, Dept. 239 Las Vegas, NV 89109
For all other information (702) 362-9026

CABLE TV CHANNELS EQUIPMENT GUARANTEED

The nationwide source for cable tv equipment.

FREE 30 DAY TRIAL

"BUY WHERE THE DEALERS BUY."

FREE TV Cable Descramblers and Converterters Catalog. Open Every Day!

MEGA ELECTRONICS
VISA • MC C.O.D. **1-800-676-6342** SAVE 1000's
21 South Main Street, Winter Garden, FL 34787

PLAZAC SALES INC.

Cable TV Converters Plus Panasonic, Scientific Atlanta, Jerrold, Pioneer and more. Professional Service, Good Prices. One Year Warranty - Ship C.O.D. Any one implying theft of service will be declined sales. Sorry, no New Jersey sales. Dealers Wanted.

PLAZAC SALES INC.
1-800-A-WIRE-4-U (1-800-294-7348)

CABLE TV DESCRAMBLERS

• Quantity Discounts • 24 Hour Shipping
• Save Money Don't Rent

NOBODY BEATS OUR PRICE

Call Us Last For Best Price

1-800-677-0321

Anyone implying theft of service will be denied service
VCI - NO FLORIDA SALES

V-LOCK XL™

Maximize your enjoyment! Have the clearest picture possible when playing back movies! *Guaranteed*

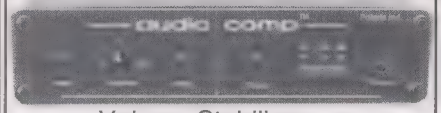
- No--Rolls / Jitters / Flickers / Fading
- Video Level **Display** Indicator--Exclusive!
- **Gold** Video Connectors & Cables **Included**
- Adjustable Output Control - Multi Output
- Color Defeat Switch - Stops Colorized Movies!
- Money Back Guarantee
- Best Picture Output

VX-100 **$69.95** Plus Shipping

S-VHS *Model VXS-200* **$99.95**

"Don't Settle for Less !"

AUDIO COMP™



Volume Stabilizer *NEW for '94*

- Stabilizes Low or High Volume Transitions
- Home Theatre or Stereo Systems
- Stops the CRACKS and POPS & BOOM from AUDIO
- ENDS COMMERCIAL AUDIO INCREASE
- Adjustable Range Controls
- RAVE REVIEW FROM VIDEO MAGAZINE

AC-1 $99.95 Plus Shipping

Order Both & SAVE !!! COMBO PACK#1 $149.95

Polaris Industries MADE IN USA
Same Day Shipping **800-752-3571**
VISA / MC / DISCOVER / COD 141 W. Wieuca Rd. Atlanta, GA 30342

STOP JAMMING ME!

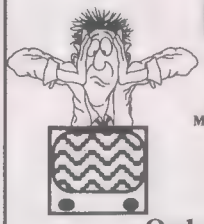
If you rent video tapes they're jamming you too.

When playing back rented movies you will notice annoying flashes, streaks, jitters. This is caused by copy protection jamming embedded in the video. The MVE2000 will spot and completely eliminate Macrovision and all current copy protection giving you a crystal clear picture.

Guaranteed - 1 year - 30 Day Money Back

ELIMINATES ALL COPY PROTECTION

*** Works on all TV's, VCR's, Beta**
*** Completely Automatic no adjustments**
*** Digital state of the art**



MVE2000 - $59.95 with 9 volt
MVE3000 - $69.95 with AC power

Add $6.00 S/H
We ship retail orders 3-day select services

Order Toll Free
1-800-967-2603
Or 402-334-3292
Distributors Unlimited
643 N. 98th Street, STE 254 Omaha, NE 68114

VISA AMERICAN EXPRESS MasterCard DISCOVER COD Telecheck

CABLE DIRECT

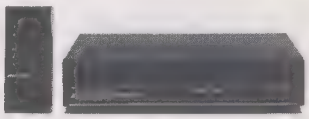
Now you can tune-in to your favorite cable TV programming and SAVE 100's - EVEN $1000's on premium

CABLE TV EQUIPMENT
Converters • Descramblers • Filters

FREE Cable TV Catalog

MODERN ELECTRONICS
1-800-906-6664
MONEY BACK GUARANTEE!

FREE Catalog
Converters & Descramblers
30-Day Guarantee
Best Prices*Best Warranties



*MasterCard*Visa*
*Discover*Amex*COD*

Show Time Cable
643 N 98th St STE 260
Omaha, NE 68114
1-800-643-4258

CABLE TV DESCRAMBLER LIQUIDATION!
FREE CATALOG!
Hamlin Combos $44, Oak M35B $60 (min. 5), etc.
WEST COAST ELECTRONICS
For Information 818-709-1758
Catalogs & Orders: 800-628-9656

CATALOGS

TV GUIDES. CATALOGUES $2.50. TV COLLECTIBLES, MAGAZINES, PLAYBOYS, ETC. CATALOGUE $3.00. ROGOFSKY, BOX 107-VM GLEN OAKS, NY 11004

EDUCATION/INSTRUCTIONS

TERMPAPER assistance. 19,278 papers available! 306-page catalog--rush $2.00. Research, 11322 Idaho, #206VT, Los Angeles 90025. Toll-Free Hotline: 800-351-0222 (California: 310-477-8226).

FILMS/MOVIES

1,000,000 VIDEOMOVIES/SOUNDTRACK LPS! Video Catalogue---$1.00. Descriptive Catalogue--$9.95. Soundtracks---$1.00. RTS/VE86, Box 93897, Las Vegas, Nevada 89193

NUDIST ATHLETICS, DANCING, BOWLING, BODY PAINTING. Family naturist videos. Previews '93 $59; Photo-filled catalog $3. Natuurlijk, Box 5278VI, S.M. CA 90409

WORLD'S SEXIEST BEACHES, Rare, Candid. Close-ups, only the finest looking young girls. (1 out of 10,000 gets on our tapes), hot new footage, immediate delivery. Catalog $2.00, Videos $50.00, Brazil Videos, P.O. Box 8572, La Jolla, CA 92038

*** Free Sunshine! Nudist Big Mail Video Directory Offer. 300 + Sources.** Preview video - $25.00 Color Catalog $5.00. Genesis-V Box 5653 Santa Monica, California 90409 1-800-4-NUDISM

VIDEOS UNIQUELY APPEALING FOR THE FETISH IN YOU! From the tips of their toes to the top of their head, naughty girls next door, housewives, coeds, secretaries, beautiful erotic girls show raised skirt, panties, garterbelt, stockings, pantyhose and **TOTALLY NUDE! Nothing left to the imagination!** 2-hour sampler video $25.00 or send $5.00 for photo filled catalog. 100's of titles! **LORELL DOLAN-VM P.O. BOX 83, GREENLAWN, NY 11740.**

BRITISH T.V. & FILM. 400 PAGE 6000 TITLE CATALOG $9.00 REFUNDABLE. LAUGHING HOUSE P.O. BOX 8572, ANAHEIM, CALIFORNIA 92812-0572.

Sexy Babes! Explicit Nudes! Ponderosa 1992 (2 Hrs.): VHS $30; S-VHS/Hi-8 $50; Info $1.00. State Age. MML, P.O. Box 10826 Merrilville, IN 46411.

EROTIC IMPORT - CULT VIDEO! Bimbos, nymphos, and psycho sluts! Free Catalog! Video Vamp, 1483 N. Mt. Juliet Road, Mt. Juliet, Tenn. 37122

VIDEO SEARCH..... We obtain hard-to-find films. 5 searches-$5 & sase. Video Finders, 1770 N. Highland, #721v, L.A., CA 90028

JOIN US FOR A HAPPY NOOD YEAR!!! Noodist Videos & Magazines for the entire family. Highest quality from $29.95. Send $3.00 for color brochure. BB Enterprizes 2762-A, W. Broadway, Los Angeles, CA 90041.

FOR SALE

REPLICA SWISS WATCHES 18KT Goldplated! Lowest Prices! 2Y Warranty! Heavy Weight! Waterproof! Submarines, Daytonas...! (404) 682-0609

INDEPENDENT PRODUCTIONS

NUDIST VIDEOS
SUMMER '93 RELEASES
$3 for catalog
NATUURLIJK
Box 5278VI, Santa Monica CA 90409

THINK YOU'VE SEEN EVERYTHING?! I thought so too. We're both wrong. Talk about some strange girls! Guaranteed awesome, but inexpensive. Brochure. $2.00 Dark Mountain Video, 607 Corona Street, Suite 294, Denver, CO 80218.

"PBTM" Buy-Out CD MUSIC LIBRARY! 24hr. Demo/Info. Line FREE CATALOG (503) 345-0212

Foreign Cuties. Photo Sessions, Nudist Videos For Information Send $3 to: C.R.T. P.O. Box 191127 Miami Beach, Florida 33119.

SPICE UP YOUR SEX LIFE! Oils, Lingerie, Videos, Novelties, & More. Confidential and Discreet. Satisfaction Guaranteed. Free Catalog. 18+ only. TLC - Box 1411, Guasti, CA 91743 800-643-1940.

LEGS! BUNS! CALVES! (plus surprises)!! Unbelievable competition finalists on stage in bikinis, shorts, skirts and heels! Two 1-hour tapes, $25 each, $40 both. **TARGET** 2-1480 Gulf Road, Point Roberts, WA 98281

Missing Nudist Movies of the 20's - 90's. Full Length Feature Films. VHS Sampler-$20.00 Color catalog $5.00. IDEN, 2709 4th Street, Suite 5, Santa Monica, CA 90405 1-310-392-0046.

TOPLESS FRENCH BEACHES. Rio Carnival, Brazilian Beach Girls, Videos $50.00. Catalog $2.00 Brazil Video, P.O. Box 8572, La Jolla, CA 92038

BABES OF MANILA! Asia sexiest and wildest women. XXX AMATEUR ACTION! Write L.B.F.M., Box 8110-279, Blaine, WA 98230

BABES IN THAILAND. EXPLICIT ONE HOUR SEX FRENZY: $29.00. TEN COLOR PHOTOS: $11.00. SAMPLE PHOTO/CATALOG: $3.00. VOYAGE, 41 SUTTER, #1309-J, SAN FRANCISCO, CA 94104.

NUDE BEAUTY & DANCE CONTESTS videos. Unisex. S.A.S.E. for Brochure. Preview Tape $24.95. Classic Productions, P.O. Box 952, Metairie, LA 70004.

"DOWN ON FARM" XXX Unusual and Strange!! Pretty young girls on bizarre adventures!! 1 hour vhs. All New Broadcast Quality $45. Also: **"BROWN AND GOLD"** $40. Order the most wild and hard-to-find XXX from around the world at Discount prices! Brochure $5. Joe Wilde, 1328 Broadway, Suite 1054, New York, N.Y. 10001.

CLASSIFIEDS
FOR MORE INFORMATION
CALL 212-947-6500

TAKE A LOOK!
What Ive Got!
PUBLIC NUDITY
On The Colorado River!
WET AND SEXY!

YOUR ONE STOP VIDEO SHOP BEST IN AMATEUR SINCE 1981

#145 Memorial Weekend T&A 2hr. '93
#148 Labor Day Wet T&A 2hr. '93 **$39ea 2 or more**
#149 Topless Beaches of Jamaica 70min. **only $25ea**
#150 The Window Peeper 90min.
Preview Tape 51 Videos 2hr. $25. Brochure $1.Ck/Mo/Visa/Mc
To GM VIDEO POB 1339 Sedona, Az 86339 Chg (800)829-1285

Circle 158 on Reader Service Card.

SEXY GIRLS DOING CUSTOM VIDEOS, TEASING, TANTALIZING, TORMENTING, YOUR SCRIPT, QUOTE $10.00 VIDEO LISTINGS ALSO AVAILABLE $2.00 SAMPLER $10 DIANE PEERLESS PO BOX 1378 HANFORD, CA 93232

HONDURAS, COSTA RICA, Caribbean, Philippines, Thailand Red Light Districts Guidebook, Videos. Infopak $2.00. International, Box 1035, Deerfield Beach, FL 33443-1035

SHOCKING XXXX EUROPEAN Incest Videos. Forbidden Sample - $30.00. Photolog — $2.00. TLC, POB 330, Deerfield Beach, FL 33443-0330

SCANDINAVIAN SCHOOLGIRLS!!!! Cherry Girl XXXX Videos! Sample $20.00. Photolog $2.00. TLC, POB 330, Deerfield Beach, FL 33443-0330.

LATIN EUROPEAN AND RUSSIAN BEAUTIES Want Romance/Marriage. Free 56 Page Catalog. LatinEuro Introductions, Box 26750-VI, Ft. Lauderdale, FL. 33320 1-305-858-7766. Anytime.

NEW ASIAN HEAT WAVE AMATEUR XXX plus Adult videos from China. Free info. CAL/ASIA MARKETING, 4120 Douglas Blvd. #306-194-V, Roseville, CA 95746.

SPRING BLOSSOMS - Uninhibited International Cuties At Their XXX Best. Volume One - $49.00. MinVid Co. 3182 Campus Drive - Suite 271, San Mateo, CA 94403.

AMATEUR XXX FOR SALE/TRADE; REVIEWED IN MONTHLY ISSUES OF **VIDEO XCITEMENT!** SAMPLE $5.00 (SEALED ENVELOPE): P.O. BOX 187-V, FRASER, MI 48026

CALIFORNIA'S NUDE BEACHES 1994! 2 HOURS $29.95 BROADCAST QUALITY! EXCLUSIVELY FROM PACIFIC VIDEO, 3400 IRVINE #115 NEWPORT BEACH, CA 92660. CATALOGUE 714-252-8336.

We supply all kinds of hard to get videos from Europe. Full detailed catalog US$10 Write to: BTR Enterprises P.O.Box 46 Volendam 1130 AA Holland Tel: 011-31-6528-46958

MARDI GRAS: Watch the girl next door flashing. Two tapes available, 1993 and 1994. One tape, $38.00. both tapes, $69.00. Florida resident add 6%. Rex Enterprises, POB 640182, North Miami Beach, FL 33164.

MARDI GRAS VIDEOS. Adults Only. Nudity $1.00 Color Brochure. VMG, Box 71634, New Orleans, LA 70172.

IDENTICAL TWINS! Brothers or sisters! Ten sets! Ages 18-20! Twenty XXX videos! SATISFACTION GUARANTEED!! Brochures (with FREE TAPE coupons): $2 (refundable)! Mail: Leland, 30327 Rhone Drive-(VML), Rancho Palos Verdes, CA 90274

FOREIGN XXXX VIDEO SAMPLER - ONLY $12! Canadian "Schoolgirl" Amateur - $18. Explicit "Nudist" - $20! 2-Hours each! High-quality! (Catalog - FREE). F.P.(v), CP116F, Toronto, Canada M4Y2L5.

VIDEO CLASSIFIEDS

HOT, SEXY MODELS SHOW ALL! $2.00 color video catalog. Sandy's Modeling, P.O.B. 3892, Thousand Oaks, CA 91359

Ms. F.L.E.S.H. Fest Finalists! Five ultimate eye-popping collector fantasies. 60 min. $39.95. AVS, 4-94, 4741 Central #193, KCMO 64112.

RUSSIAN MISSES - Authentic Moscow girls! Nude! Wow! True rare beauties! 60 min. NUDE AEROBICS VOLS. 1-3. Five gals each voloume. $40 ea. 2 or more $35 each. Color catalog $2. IPI VIDEO 2521 S. Big Bend Blvd. St. Louis, MO 63143. MC/VISA 314-647-4419. FAX 314-644-5944.

Forbidden Underground Videos from Europe and Orient. Preview tape of over 30 videos $20. Catalog $2. Taylor, P.O. Box 405, Springfield, MD 65801-0405

BLUE VANITIES: CLASSIC VINTAGE STAG-FILMS. 30's to 60's arcade nudes & strippers, softcore & teasers. COLLECTOR'S ITEMS, all on video VHS/Beta. Large Selection - **CATALOG $3.00 ADULT FILM TO TAPE TRANSFERRING.** Regular, Super 8 & 16mm - Lowest prices available. **Also foreign conversions** (All Countries). FILMFARE VIDEO LABS, INC. Dept. A 401 NE Ravenna Blvd., Ste. 156 Seattle, WA 98115.

LASER DISCS

20% OFF NEW LASERDISCS
Lowest prices. Trades welcome.
WE ALSO BUY / SELL USED TITLES.
Dallas Digital (Videoquest)
(214) 987-4744 Fax (214) 987-3544

LASER DISCS UP TO 60% OFF! FREE CATALOG. LASER EXCHANGE SUITE #275, 444B BROADWAY SAUGUS, MA 01906-1995. (617) 231-8010.

LASERDISCS LARGE SELECTION, LOW PRICES! PLAYERS, RECEIVERS, ETC. WE BUY LASERDISCS. CALL LASEREX (415) 493-4166, FAX (415) 493-8149

USED LASERDISC CLEARANCE. Rare Titles. Save Money. FREE CATALOG. VDI/C 5339 Prospect #221, San Jose, CA 95129

FREE SAMPLE - LASER DISC NEWSLETTER. News, reviews, ads and more. (800) 551-4914 P.O. Box 420, East Rockaway, NY 11518 FAX (516) 594-9304

INTERACTIVE (LASERDISC ELECTRONIC NOVEL) 12 CAV, FULL-LENGTH COLOR. GRAPHICS SCIENCE FICTION, "LORDS OF THE CRESCENT". SEND 39.95 FAIRBAIRN, T.E. P.O. BOX 301, HOLLAND, OHIO 43528

ADULT LASERDISCS, ALSO ADULT CD-ROMS. For full color catalog, send $5.00 (Refundable with order). **HUNDREDS OF TITLES!** TRANSAMERICA PICTURES, 309 Judah St., Suite 214-AL, San Francisco, CA 94122. (415) 566-1212. VISA/MC/AMEX

*** 12% OFF LASERDISCS ***
THE LASER IMAGE ... SINCE 1980
5000 Discs * Pioneer Equipment Dealer
PH: (303) 586-8360 * Fax: (303) 586-2728

LASERDISC
ENTERPRISES
LARGEST ON THE EAST COAST
1-800-347-1941
FRIENDLY SERVICE • SAME DAY SHIPPING
EVERY TITLE DISCOUNTED • FREE SHIPPING
HUGE SELECTION
2516 COBB PARKWAY • SMYRNA, GA 30080
1-404-955-8909 • FAX 1-404-984-2173 24hrs
VISA MC DISC. CHECKS • 10-7 MON-FRI EST

VIDEO CLASSIFIEDS

ATTENTION NEW LASERDISC PLAYER OWNERS!

Call us within 3 months of buying a new Laserdisc Player (from any dealer! - we just need a dated copy of your invoice), & we'll give you a one day *20% OFF LV SHOPPING SPREE!!* (Limited to titles that have already been released-including used!) Plus!! buy any quantity of our lovingly used CLV LBX Star WarsTrilogies *Not THX* (while supplies last) for just $75 ea.! *(+ $3 S&H) Call for details*
Above offer expires 12/94. Mass. Residents add 5% Sales Tax
1000'S OF NEW & USED LASERDISCS!!
& we take your Used Discs in trade!!
INDUSTRY'S BEST SELECTION & SERVICE SINCE 1984
IMPORTS, CD-I, CD-ROM & KARAOKE, TOO!!
Sight & Sound Call or write for our FREE catalogs!!!
617 894-8633 fax 617 894-9329
27 Jones Rd., Waltham, MA 02154

PIONEER LaserDisc
WE STOCK EVERY TITLE
Largest mail order retailer in the U.S.
- Fastest availability on new titles
- Most orders shipped same day
- 10% discount on all titles
- Free UPS Shipping in Continental U.S. (2nd Day Air Only)
- Visa, Mastercard, Amex, checks & C.O.D.

44 Years In Business
For Free Catalogue Call or Write
Ken Crane's
1-714-892-2283
1-800-624-3078
IN CA 1-800-626-1768
15251 Beach Blvd., Westminster, CA 92683

Circle 155 on Reader Service Card.

LASER DISCS
OVER 9,500 TITLES!
USA's Largest In-Stock Selection!
10% To 20% Discount On All Titles. * Special Sale Lists To Preferred Customers. * Exclusive *NO TIME LIMIT* Disc Warranty. * Visa, Mastercard, C.O.D.'s Accepted.
Free Catalog, Call Or Write:
STARSHIP INDUSTRIES
605 Utterback Store Road, Great Falls, VA 22066.
(703) 450-5780, 430-8692. Fax: (703) 430-6657.
Hours: 11 to 7 Monday-Thursday, 11 to 6 Friday.

COMPUTER RELATED

DIRECTORY 100+ Sources of Public Domain, Freeware and, Shareware Software. Including CD-ROM, Graphics, Games, Utilities, Adult, etc. $2.00. PVCOMP, P.O. Box 359C, Scottsville, NY 12172-0359

MISCELLANEOUS

Voyeurs Catalog/Newsletter. Concealed Video Cameras/Pinhole lenses. Annual Subscription $24. $5 gets sample of both. Valueline Publications 9205 S.E. Clackamas Rd., #137-A, Clackamas, OR 97015.

ASIAN WOMEN DESIRE ROMANCE! Overseas, Sincere, Attractive. World's #1 Service! Free Details, Photos! **SUNSHINE INTERNATIONAL CORRESPONDENCE,** Box 5500-ZR, Kailua-Kona, Hawaii 96745. (808) 325-7707

NUDE CELEBRITY PHOTOS! Movie and television stars! Illustrated list. $1.00. Superstar Enterprises, Box 886. Orchard Park, NY 14127.

JAPANESE, ASIANS, EUROPEANS seek friendship, correspondence! All Ages! Free information: Inter-Pacific, Box 304-A, Birmingham, MI 48012.

MEET WOMEN WORLDWIDE! Free 32 page photo catalog! CHERRY BLOSSOMS, 190VM Rainbow Ridge, Kapaau, Hawaii 96755. 1 (408) 980-7488.

VIDEO CLASSIFIEDS

RUSSIAN LADIES, truly beautiful, seek companionship. Free color photobrochure! Russia76; P.O.B. 888851; Atlanta, GA 30356; (404) 458-0909.

BEAUTIFUL GIRLS, worldwide, want correspondence, friendship, marriage. Sample photos free! Hermes, Box 110660/A, D-10836 Berlin, Germany

BEAUTIFUL JAPANESE LADIES! We'll Introduce you! Photos, Descriptions, applications, $2.00: Japan, Box 20323-V, SunValley, NV 89433

OVERSEAS EQUIPMENT

MULTI-STANDARD TVs, VCRs, PAL, CAMCORDERS, WORLDWIDE USE, ASMARA OVERSEAS SHIPPERS, 5568 Sepulveda Boulevard, Culver City, CA 90230. PHONE: (310) 398-0080. (800) 723-4646.

SAVE 40%-60%
SATELLITE TV
FREE 56 pg Catalog
NAME BRAND EQUIPMENT & ACCESSORIES
Systems • Upgrades • IRDs • Movers • Feeds
LNBs • 3' to 24' Dishes and much more...
100% Satisfaction Guaranteed
800-334-6455
218-739-5231 Int'l
218-739-4879 Fax
Skyvision, Inc.
YOU CAN
1028 FRONTIER DRIVE FERGUS FALLS, MN 56537
INSTALL OR UPDATE YOURSELF!

SATELLITE TV
SATELLITE TV BUYING GUIDE
NAME BRANDS AT 50% DISCOUNT
This FREE 24 page Consumer Buying Guide tells all about Satellite TV and lists guaranteed lowest prices.
Satman, Inc.
6310 N University No. 3798 • Peoria, IL 61612
CALL FOR **1-800-472-8526**

TRANSFERRING

FOREIGN DIGITAL CONVERSIONS $24.95 NTSC/ PAL/SECAM, Daily Service, Guaranteed Quality, EDENBRIDGE VIDEO, P.O. Box 4025, Eden, NC 27289, 1-800 **VHS** 0006

FOREIGN TAPE CONVERSIONS $17.50, PHOTOS/SLIDES ONTO VIDEOTAPE DONALDSON ENTERPRISES, 505 GREENBRIAR DR. NICHOLASVILLE, KY 40356, 1-800-842-5503.

FOREIGN DIGITAL CONVERSIONS $19.95 NTSC/PAL/SECAM. Open 'til midnight EST, 7 days a week. 3D Research, 20120 Route 19, Suite 105-274, Mars, PA 16046 **TOLL FREE 1-800-735-8582**

FOREIGN VIDEO CONVERSIONS. Through digital process. PAL/SECAM, RK VIDEO DUB INC. 60-15 ROOSEVELT AVENUE, WOODSIDE, N.Y. 11377. 1-800-851-8514, 1-718-639-2881.

International VHS Conversions Low as $9.95 PAL/SECAM/NTSC Digital Process Aegis Video Plymouth, MN 612-941-1002

DIGITAL CONVERSIONS $24.95. VIDEOCASSETTE DELIVERED. QUALITY GUARANTEED. EIGHT GREAT YEARS OF SERVICE. SAME DAY. A.I.V., 595 CIRCLEWOOD, AURORA, OH 44202 (216) 562-8983.

Dish System
LIFETIME WARRANTY

Quality Microwave TV Antennas
WIRELESS CABLE - IFTS - MMDS - Amateur TV
Ultra High Gain 50db(+) • Tuneable 1.9 to 2.7 Ghz.
- 55-Channel Dish System $199.95
- 36-Channel Dish System $149.95
- 20-Channel Dish System $124.95
- Optional Commercial Grid Antenna (not shown) Add $50.00
- Yagi Antennas, Components, Custom Tuning Available
- Call or write (SASE) for "FREE" Catalog

PHILLIPS-TECH ELECTRONICS
P.O. Box 8533 • Scottsdale, AZ 85252
(602) 947-7700 ($3.00 Credit all phone orders)
MasterCard • Visa • American Express • COD's • Quantity Pricing

Circle 157 on Reader Service Card.

Build a better tomorrow.

Take stock in America.
With higher paying U.S. Savings Bonds.

MOVING?
Don't risk missing an issue. If you're changing your address, please give us 8 weeks notice. Simply PRINT your new address below and mail this coupon—ALONG WITH YOUR CURRENT SUBSCRIPTION MAILING LABEL—to: VIDEO, P.O. Box 56293, Boulder, Colorado 80322-6293
(please print)
Name _____
Address _____
City/State/Zip _____

continued from page 92

plunge with a 56-inch rear-projection set that looked impressively bright and crisp in preview. Priced at $4,999 the set includes two tuners, a Pro-Logic decoder, rear surround speakers and storage space. Only 25 inches deep, it's designed to stand freely or mount flush within a wall. Sharp and Proton showed direct-view widescreen sets they plan to market later this year, and RCA added a new console to its widescreen line.

Vidikron showed an impressive LCD projector based on a design Philips demonstrated a few years ago but never aggressively marketed. The picture was *stunning*, even when magnified to a ten-foot diagonal screen.

When it came to video editing, two new video mixers—Videonics' MX-1 and Panasonic's WJ-AVE7—took center stage. We've discussed both before (see last month's "Desktop Dilemma" and "New Products") and both look promising.

A new company called Studio Magic showed what it referred to as a "Video Toaster for PCs." The product, also called Studio Magic, consists of a computer board and software. It mixes between two video sources, performing dissolves and wipes.

Studio Magic captures still frames from video, and converts VGA graphics to NTSC for recording on a VCR. It includes a titler that accepts any Windows font, and a special-effects generator with effects like metalization and posterization. And it supports Sony's VISCA protocol for controlling VCRs and camcorders. At only $499, it could be a hot desktop video product.

Sima previewed the Ed/it 2, an editing controller that works with any two infrared-controlled VCRs or camcorders. It includes a fader and a three-channel stereo audio mixer. Sima hopes to market it this fall for $300 or less. It should be a great product.

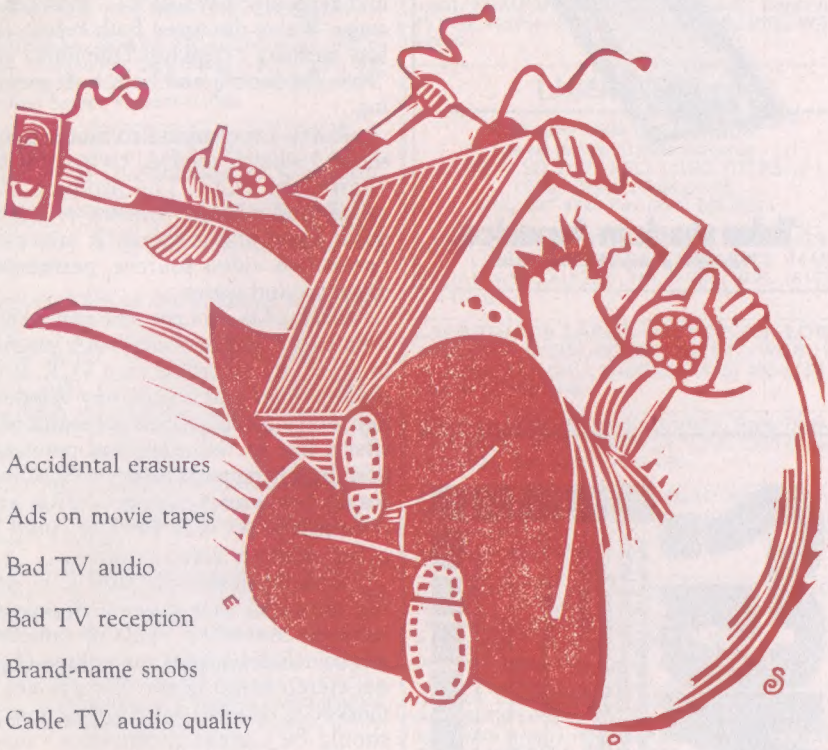
The gadget of the show may turn out to be Arista's Commercial Brake, a $199 box due this spring that promises to take the ads out of home recordings of TV shows. A microchip in the Brake identifies commercials by their signal patterns, notes their position on your recording tape, then fast-forwards through them while a blue screen masks the activity.

Finally, VideoSnap was back and ready to launch. This is a device that prints a standard Polaroid snapshot from any video source it's plugged into. Its inventors previewed it at last year's CES in a search for manufacturing support. Apparently, they found it. Sansui will offer the video printer this spring for about $700, and Polaroid is considering releasing a version under its own name. ■

Video's greatest gripes— our third bi-annual reader survey

We asked in 1990 and in 1992: What is it about video that just plain drives you crazy, up the wall, around the bend? Each time you treated us to thousands of responses. You complained about cable TV prices, and Congress passed the 1993 Cable Act. You griped about remote control clutter, and universal remotes blossomed. Now with a mighty technology-driven revolution in the making, it's time to ask you once again. What drives you crazy?

To add your voice, simply check each item in our bill of particulars that has the power to unmake your day (multiple grievances are acceptable). Send the completed page or a copy to Drives Me Crazy, *Video Magazine*, 460 West 34 Street, New York NY 10001. We'll report the results in a future issue.



- ❒ Accidental erasures
- ❒ Ads on movie tapes
- ❒ Bad TV audio
- ❒ Bad TV reception
- ❒ Brand-name snobs
- ❒ Cable TV audio quality
- ❒ Cable TV channel changes
- ❒ Cable TV picture quality
- ❒ Cable TV prices
- ❒ Cable TV service
- ❒ "Call for price" ads
- ❒ Confusing blank tape grades
- ❒ Confusing instruction manuals
- ❒ Converging technologies
- ❒ Damaged rental tapes
- ❒ EP-speed movie tapes
- ❒ Foreign films with bad dubbing or illegible subtitles
- ❒ Format snobs: Beta, S-VHS, Hi8, laserdiscs, etc.
- ❒ Hard-to-use or hard-to-reach controls
- ❒ Waiting for HDTV
- ❒ Home-editing snafus
- ❒ Home-shopping networks
- ❒ Incompatible game formats
- ❒ Infomercials
- ❒ Interactivity
- ❒ Lack of laserdisc rentals
- ❒ Letterboxing
- ❒ Losing track of what's on which tape
- ❒ Macrovision
- ❒ Mindless channel surfing
- ❒ MPAA ratings
- ❒ Multiple video releases (R-rated, X-rated, letterboxed versions; director's cuts, special editions, etc.)
- ❒ Network logos on TV images
- ❒ Onscreen instructions
- ❒ Panned-and-scanned movies
- ❒ People who can't program VCRs
- ❒ PG versions of R-rated films
- ❒ Pricey pay-per-view events
- ❒ Product hype
- ❒ Remote control clutter
- ❒ Rental stores that close early
- ❒ R-rated versions of X-rated films
- ❒ Rewind fines
- ❒ Satellite dishes on front lawns
- ❒ Shopping for equipment
- ❒ Uninformed salespeople
- ❒ Universal remotes that aren't
- ❒ Useless bells and whistles
- ❒ Video know-it-alls
- ❒ Very violent movies or videogames
- ❒ Wiring problems
- ❒ Would-be censors
- ❒ Other_____

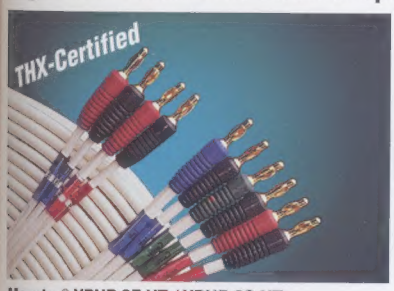
RANDALL ENOS

MONSTER HOME THEATRE™

MONSTER CABLE®

Introducing the *Ultimate* Cables for Home Theatre

High Performance THX-Certified Speaker Cable



Monster® XPHP 3F HT / XPHP 2S HT

These unique two and three channel cables offer easy hook up, decorator jackets, and excellent sound reproduction.

Front Speakers
Advanced performance – New Monster Cable® MC 3F HT
High performance – Monster® XPHP 3F HT
Improved performance – Monster XP® 3F HT

Surround Speakers
High performance – Monster® XPHP 2S HT
Improved performance – Monster XP® 2S HT

Subwoofer
Advanced performance – Subwoofer SW1

THX-Certified Interconnects for Home Theatre

Interlink® 406 HT

Monster's special six-channel home theatre interconnects are designed for clean installations and easy hook up of all six channels. Monster's RCAs provide the highest integrity signal transfer. Also available with easy-to-use DB-25 connectors.

High Performance
Interlink® 406 HT – Bandwidth Balanced®; Turbine® RCAs
Interlink® 406 HTDB – Six channel round; 24k gold DB-25

Standard Performance
Interlink® 206 HT – Balanced; 24k gold RCAs
Interlink® 206 HTDB – Six channel round; 24k gold DB-25

UL Approved THX-Certified In-Wall Speaker Cable

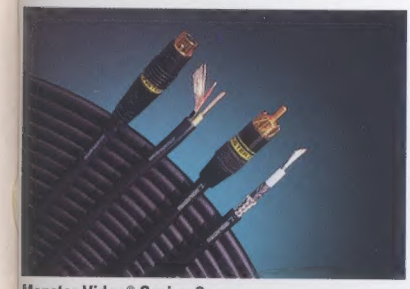
P2P-2R • CL

Monster's CL3/FT4 rated two conductor in-wall speaker cables now with THX-certification ensure the highest performance custom home theatre installation.

High Performance
P2P-2R • CL – *Time Correct*® windings, twisted pair

Standard Performance
S14-2R • CL – 12 gauge twisted pair construction
S14-2R • CL – 14 gauge twisted pair construction
S16-2R • CL – 16 gauge twisted pair construction

High Resolution Video Cable*



Monster Video® Series 3

The world's highest performance video cable for the best possible TV/video performance.

High Performance
Monster SuperVideo 3 S-Video – Ultra low capacitance
Monster Video 3 RCA – Extra wide bandwidth

Standard Performance
Monster SuperVideo 2 S-Video – Low capacitance design
Monster Video 2 RCA – Low loss design

Circle 50 on Reader Service Card.

CLARITY • DYNAMICS • POWER

Why Monster® THX® Certified Cables Are Important For Your Home Theatre.

MONSTER HOME THEATRE THX CERTIFIED BY MONSTER CABLE

- **Guaranteed Performance**
  Constructed to THX specifications and frequency matched to 1/2 db
- **100% Reliability**
  Built to rigid THX mechanical specs
- **User Friendly Cable Hook Up**
  Universal THX color-coding
- **Advanced Connector Design**
  THX Standard DB-25 multi-channel connection; Turbine Design® RCA; Monster® Spades & Bananas
- **Easy Installation**
  Flexible, side-by-side construction
- **Aesthetically Pleasing**
  Low profile design; paintable jackets
- **Patented Monster® Technologies**
  Improved soundtrack reproduction

MONSTER HOME THEATRE™

Maximizing the Home Theatre Experience

Monster Cable® Products, Inc.
274 Wattis Way, South San Francisco, CA 94080
Tel: 415•871•6000 Fax: 415•871•6555

THX is a registered trademark of Lucasfilm LTD
*There is no THX certification for video at this time

VIDEO MAGAZINE AWARD FOR BEST ACCESSORY OF 1994 — VIDEO BEST

SD-1000 SURROUND DECODER

AA-1660 SIX-CHANNEL AMPLIFIER

CALL

310.404.2222

BUT WE THINK YOU'LL FIND THIS FIRST FEW DOZEN FROM *VIDEO* MAGAZINE'S TECHNICAL EDITOR LANCE BRAITHWAITE COMPELLING ENOUGH TO MAKE PROTON'S NEW LINE OF HIGH-END MONITOR/RECEIVERS WORTH A CLOSER LOOK: ■

> "PROTON HAS A REPUTATION AS THE FERRARI OF DIRECT-VIEW TV SETS... THE COMPANY'S TVS HAVE EARNED CONSISTENTLY HIGH MARKS FROM REVIEWERS AND VIDEOPHILES."

THE OTHER 1371 WORDS ARE EQUALLY COMPLIMENTARY. BUT THAT'S NO SURPRISE GIVEN PROTON'S COMMITMENT TO SUPERB ENGINEERING AND REMARKABLE PICTURE QUALITY. FROM THE MAGNIFICENT LARGE-SCREEN 31-INCH NT-339 TO THE NEW 20-INCH VT-218 MONITOR/RECEIVER, PROTON PACKS VALUABLE FEATURES AND PERFORMANCE INTO EVERY MONITOR/RECEIVER IT PRODUCES.

A Picture Worth 1,000 Words

BUT PROTON MAKES MORE THAN PICTURES PERFECT. ADD PROTON'S SD-1000 SURROUND DECODER AND POWERFUL NEW AA-1660 SIX-CHANNEL AMPLIFIER FOR A HOME THEATER SYSTEM THAT'S REALLY WORTH STAYING HOME FOR.

THERE'S A LOT MORE TO BE SAID ABOUT PROTON, BUT DON'T TAKE OUR WORD FOR IT. CALL TODAY FOR PROTON'S NEW CATALOG, A REPRINT OF *VIDEO'S* VIDEOTEST AND THE LOCATION OF THE DEALER NEAREST YOU.

P R O T O N

16826 EDWARDS ROAD, CERRITOS, CA 90701